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Account

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TO THE
AN ACCOUNT OF THE STRATA
OF
NORTHUMBERLAND AND DURHAM
AS PROVED BY
BORINGS AND SINKINGS.

F—K.

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF
MINING AND MECHANICAL ENGINEERS.

Newcastle-upon-Tyne:
PUBLISHED FOR THE INSTITUTE BY ANDREW REID, PRINTING COURT BUILDINGS.

1885.

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Institute of Mining and Mechanical Engineers.

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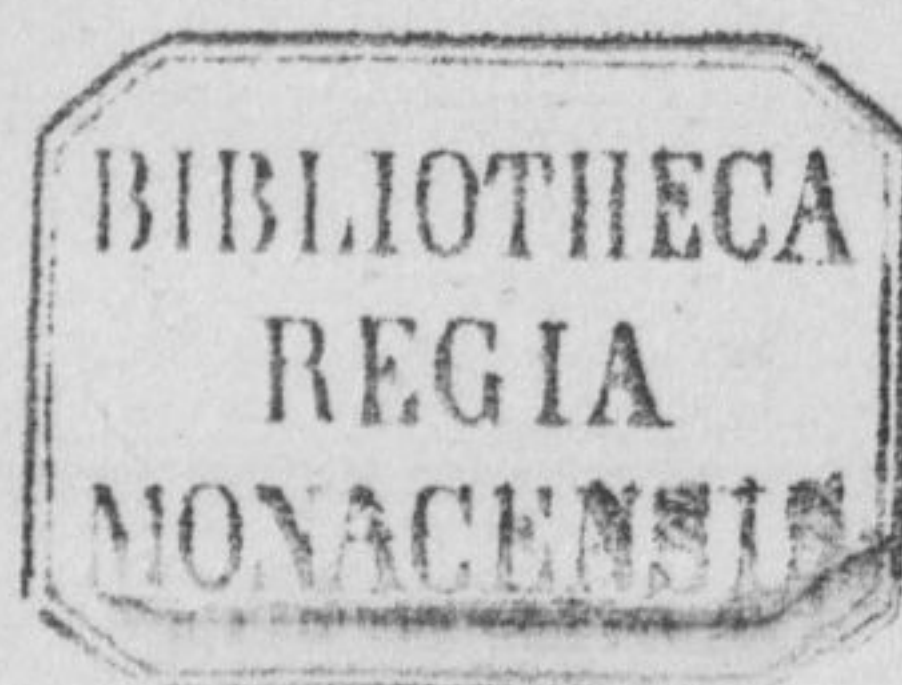
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AN ACCOUNT OF THE STRATA
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AS PROVED BY
BORINGS AND SINKINGS.

No. 836.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. , Long.

Section of Strata at Fallowfield, on the East side of the North Tyne, from the Little Limestone.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Limestone													
(Little Limestone)	...	4	2	7				Brought forward			7	1	0
Plate	...	1	5	0				Plate and grey beds...	1	1	0		
								Hazel	...	14	5	7	
COAL, good	Ft. In.	3	0					Plate	...	14	5	8	
Band...	...	0	9					Limestone	(Great				
COAL, inferior	1	8						Limestone)	...	10	0	0	
		0	5	5							41	0	3
				7	1	0							
Carried forward				7	1	0		Total	...		48	1	3

No. 837.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 9", Long. 2° 6' 45".

Section of Strata at Half-Way Pit, Fallowfield.

Approximate surface level 392 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone	...	9	3	0				Brought forward	29	4	0		
Blue plate	...	6	1	0				Girdle, mixed with					
Sand or freestone	...	1	4	0				dark blue plate	...	2	5	0	
Black plate	...	9	3	0				COAL	...	0	5	6	
Limestone	(Little										33	2	6
Limestone)	...	2	5	0									
Carried forward		29	4	0				Total	...		*33	2	6

* Approximate sea level 191½ feet below this.

No. 838.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 35", Long. 2° 6' 21".

Account of Strata sunk through at Fallowfield.

Approximate surface level 618 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, rubble clay, &c.	6	0	0				Brought forward	46	4	4	16	2	0
Plate and <i>coal</i> (2 in.)	0	3	0				Hazel and grey beds...	2	5	0			
Plate and grey beds...	6	3	0				COAL — <i>Fallowfield</i>						
Bastard limestone,							<i>Seam</i> ...	0	5	8			
with cockles ...	0	1	0								50	3	0
Grey beds and plate...	1	5	0				Grey beds ...	1	0	4			
Limestone ...	0	2	0				Hazel ...	1	0	9			
Hazel and girdles ...	0	4	6				Plate ...	0	1	0			
COAL — <i>Oakwood</i>							Dun bastard limestone	2	0	0			
<i>Seam</i> ...	0	1	6				Hazel ...	6	2	0			
				16	2	0	Light coloured lime-						
Sandstone ...	1	1	2				stone ...	1	3	0			
Grey beds (plate and							Grey beds ...	0	5	0			
ironstone) ...	4	1	0				Hazel and girdles ...	10	2	0			
Sandstone ...	0	3	0				Plate ...	12	4	11			
Grey beds (plate and								1	3	7			*
4 inches of <i>coal</i>) ...	0	3	10				Limestone (<i>Great</i>						
Strong grey beds ...	0	5	0				<i>Limestone</i>) ...	6	2	0			
Sandstone ...	3	1	0				Grey beds (black band						
Grey beds ...	0	3	4				and <i>coal</i>) ...	2	1	0			
Hazel and sandstone	0	3	6				Hazel ...	8	3	0			
Grey beds (plate and							Plate ...	12	0	0			
<i>coal</i>) ...	0	2	8				Limestone and <i>coal</i>						
Coloured sandstone ...	1	0	5				(2 inches) ...	3	3	4			
Plate ...	0	4	4				Grey beds and <i>coal</i>						
Grey beds ...	0	2	4				(6 inches) ...	2	4	8			
Hazel ...	2	1	2				White post, with <i>coal</i>						
Dark coloured mica-							<i>pipes</i> ...	0	3	0			
ceous post ...	0	2	9				Grey beds ...	1	2	0			
Hazel and sandstone...	5	4	0				Plate ...	2	2	0			
Strong girdle beds ...	3	5	10				COAL , splint (black						
Plate and grey beds...	6	1	0				bands) ...	0	3	0			
Hazel ...	1	4	0								77	4	7
Plate and grey beds...	9	3	0										
Limestone (<i>Little</i>							Total ...				144	3	7
<i>Limestone</i>) ...	2	5	0										
Carried forward	46	4	4	16	2	0	Hazel, unknown. Sup-						
							posed 30 fathoms						
							to Whin Sill.						

* Approximate sea level (Ordnance datum).

No. 839.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of a Boring at Ironsides, on the North side of the Lane below Gate, Farnacres.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft blue clay, with seams of sand ...	3	0	0				Brought forward	9	3	1			
Soft blue clay, with soft seams of sand	4	3	1				Grey and brown ram-	0	4	6			
Sand and chinnelly clay, with small feeder of water ...	0	2	0				bly stone ...						
Stony clay ...	0	1	0				Grey and brown scamy post ...	0	1	0			
Soft blue and scamy metal, with water...	1	3	0				In white post ...	0	0	5			
											10	3	0
Carried forward	9	3	1				Total ...				10	3	0

No. 840.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. About Lat. 54° 56' 25", Long. 1° 38' 10".

At Farnacres, under Lobley Hill.

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	0	0			
Brown and grey ramble	0	4	3			
COAL	0	4	0			
Grey thill	0	1	6			
				3	3	9
Total depth below high water				3	3	9

No. 841.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Bored in a Staple about 100 yards North-west from the Engine, under the Oak Tree
in the Hedge, Farnacres.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				7	1	6	Brought forward	6	2	0	21	5	8
Box ...	0	3	0				Grey post, with water	0	4	6			
Strong white post, with water ...	0	3	9				Strong white post, with whin ...	0	1	0			
Grey metal, with water	0	4	0				Whin ...	0	1	0			
Open waste, with water ...	0	3	4				Strong white post ...	0	0	7			
Loose stones and rub- bish, with water ...	0	2	8				Grey metal ...	0	3	0			
							COAL ...	0	0	7			
				2	4	9					8	0	8
Soft blue metal, with water ...	0	2	0				Grey metal ...	0	1	0			
Grey metal, with gir- dles or lumps ...	1	2	8				Grey post, with water	0	3	0			
White and grey post	0	1	6				Grey metal, with whin lumps ...	3	2	0			
Grey metal stone ...	0	4	0				Black metal ...	0	0	4			
Whin ...	0	1	0				COAL ...	2	2				
Grey post ...	1	4	0				Grey metal stone, mixed with coal ...	0	9				
COAL , foul... ..	0	0	6				COAL ...	1	3				
				4	3	8				0	4	2	
Grey metal, with post girdles and catheads	3	4	6								4	4	6
Whin ...	0	0	9				Grey metal stone ...	0	3	0			
Grey post ...	0	2	0				White post, with water	1	1	6			
Grey metal and strong grey metal stone, with post girdles ...	2	4	7				COAL ...	0	0	4			
Blue slaty metal ...	0	0	3								1	4	10
COAL ...	0	1	8				Blue metal ...	0	5	0			
				7	1	9	COAL ...	0	0	3			
Blue slaty metal ...	0	1	0				Grey metal stone, post girdles, and water	1	0	0			
Grey metal ...	0	3	0				White post ...	0	4	0			
Grey and white post	1	3	0				Blue metal ...	0	0	5			
Blue grey metal, with strong girdles or lumps ...	2	5	0				COAL ...	0	8				
Black metal ...	1	2	0				Black metal ...	0	3				
							COAL ...	0	4				
										0	1	3	
							Grey metal ...	0	4	0			
											3	2	11
Carried forward	6	2	0	21	5	8	Total ...				40	0	7

No. 842.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

At Farnacres, about 50 yards West from the Wagonway, and 200 yards North from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	8	0	9			
Yellow clay	0	3	0				Grey girdly post,						
Leafy clay	2	0	0				metal partings, and						
Blue stone clay, with							water	4	5	0			
a spring of water...	1	2	0				Soft loose blue metal	0	4	6			
Leafy clay	0	1	0				COAL, soft crushed	0	4	6			
Blue stony clay ...	2	1	6				COAL, foul brassy	0	0	5			
Soft grey metal ...	0	2	3								14	3	2
Blue metal, with cat-							Blue grey metal ...	0	4	4			
heads	1	2	0				White grey metal ...	0	1	0			
											0	5	4
Carried forward	8	0	9				Total				15	2	6

No. 843.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata bored through in 5th Hole, upon Farnacres Estate.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	3	4	6				Brought forward				18	5	0
Strong white post ...	2	0	0				Soft grey metal, mixed						
Old workings	1	0	0				with coal	0	1	0			
				6	4	6	Black stone, with coal						
Grey metal	1	1	6				pipes	0	1	0			
Strong white post,							Grey post, with water	1	3	2			
with water and							Grey metal and post						
metal partings ...	2	2	0				girdles	3	5	4			
Grey metal, with post							Grey metal	0	3	0			
girdles	2	0	0				Strong grey post ...	1	1	0			
Strong grey post and							Grey metal	0	1	4			
metal partings ...	6	1	0				COAL	0	0	9			
COAL	0	2	0								7	4	7
				12	0	6							
Carried forward				18	5	0	Carried forward				26	3	7

No. 843.—FARNACRES.—CONTINUED.

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				26	3	7			
Grey metal	...	...		0	4	2			
COAL	...	...		0	0	3			
							0	4	5
Grey metal and post									
girdles	...	...		4	0	8			
Black stone	...	...		0	0	4			
Beaumont Seam (with water and gas)—									
	Ft.	In.							
COAL	...	2	6						
Band	...	1	6						
COAL	...	1	2						
							0	5	2
							5	0	2
Grey metal	...	...		1	4	7			
White post, with metal									
partings and water	...	...		0	3	5			
Black stone, with									
scares of coal	...	...		0	0	6			
Grey metal	...	...		0	2	0			
Blue metal, with scares									
of coal	...	...		1	5	6			
COAL	...	...		0	0	8			
							4	4	8
Grey metal	...	...		1	4	0			
White post, with metal									
partings	...	...		1	0	9			
Strong grey metal	...	...		2	2	10			
Carried forward				5	1	7	37	0	10

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				5	1	7	37	0	10
White post	...	...		1	0	0			
Grey metal	...	...		0	1	3			
COAL	...	...		0	1	8			
							6	4	6
Grey metal	...	...		2	0	10			
White post, with metal									
partings	...	...		1	0	7			
Grey metal	...	...		0	3	0			
COAL	...	...		0	1	8			
							4	0	1
Grey metal	...	...		1	2	0			
Strong white post and									
metal partings	...	...		8	1	1			
COAL	...	...		0	1	8			
							9	4	9
Grey metal	...	...		3	0	0			
White post	...	...		4	4	0			
COAL — Low Main									
Seam	...	...		0	3	4			
							8	1	4
Grey metal	...	...		0	0	11			
Bored into white post	...	...		1	3	0			
							1	3	11
Total				...	...	...	67	3	5

No. 844.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, in the Peru Sinking Pit.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				7	3	0	Brought forward	3	4	0	19	0	9
Box ...	3	3	0										
Post and metals of							Ft. In.						
different sorts ...	7	1	0				COAL ...	1	9				
COAL ...	0	0	6				Black band,						
Grey thill and metal							mixed with						
stone ...	0	4	6				coal ...	0	4				
COAL ...	0	0	9				COAL ...	0	8				
				11	3	9				0	2	9	
Metal and post ...	3	4	0								4	0	9
							In grey metal stone...				0	1	6
Carried forward	3	4	0	19	0	9							
							Total ...				23	3	0

No. 845.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 44", Long. 1° 37' 55".

At Farnacres, in the Ray Grass Close, afterwards sunk to and called the Mexico Pit.

Approximate surface level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown stony clay ...	2	0	0				Brought forward	9	3	0			
Blue stony clay ...	3	1	6										
Soft grey metal ...	0	2	6				COAL ...						
Grey metal stone, with post girdles ...	1	4	0				Grey band, with coal and bands	0	7				
White and brown post	0	5	3				COAL ...	2	8				
Grey metal stone, post girdles, and metal partings ...	1	1	9				Grey metal ...	0	4				
							COAL ...	0	4				
Carried forward	9	3	0					0	4	7			
							In grey metal				10	1	7
											0	1	5
							Total				*10	3	0

* Approximate sea level 12 feet below this.

No. 846.--FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, on the North side of Norwood Lane, and South from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9			
Yellow clay	0	3	0			
Soft clay, with some small seams of sand	2	5	0			
Sand, with water	0	5	0			
Black stony clay	0	1	6			
Sand and gravel	0	1	0			
				4	4	3
Total				4	4	3

No. 847.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, Norwood, about 60 yards North-west from M. Aynsley's House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	5	0	0	9	0	1
Stony clay	1	5	0				Grey and blue metal						
Grey gravelly metal...	2	1	0				and metal stone,						
Grey post girdle ...	0	1	6				with several mixture						
Grey and blue scamy							whin girdles of						
metal and post girdle	2	3	9				about 27 feet thick	6	1	0			
Soft open scamy metal	0	1	0				Black slaty metal, with						
Waste, with foul air	0	1	6				coal	0	0	3			
Loose stones and rub-							COAL	0	1	6			
bish	1	0	4								11	2	9
Loose coals and rub-							Blue slaty metal .	0	0	9			
bish	0	3	0				Black slaty metal,						
				9	0	1	mixed with coal ...	0	0	9			
Grey metal and metal							Grey metal	0	1	0			
stone, with post gir-							In white and grey post	1	1	6			
dles and water ...	5	0	0								1	4	0
Carried forward	5	0	0	9	0	1	Total				22	0	10

No. 848.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 38", Long. 1° 37' 35".

Bored at Farnacres, in the Middle Field, near Team.

Approximate surface level 35 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and blue clay	5	5	0			
	8	1	0			*
				14	0	0
Total				14	0	0

* Approximate sea level (Ordnance datum).

No. 849.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. Long.

Bored at Farnacres, high up in the Norwood, 10 yards from North Hedge.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	3	0			
COAL, foul ...	0	1	2			
Thill ...	0	1	10			
Soft thill ...	1	3	0			
Strong blue stone ...	1	3	0			
White post ...	3	3	0			
Grey post ...	0	1	0			
				9	4	0
By Thos. Wake, 27th Sept., 1754:—						
Grey and white post	0	1	6			
White post ...	2	1	6			
Brown and grey metal	0	3	0			
COAL, with water...	0	5	3			
				3	5	3
By Thos. Wake, 5th Dec., 1756:—						
Grey metal, with strong lumps ...	4	2	3			
Grey post, with metal parting and lumps	6	2	6			
COAL—The Little Coal ...	0	1	8			
				11	0	5
Grey thill, with water	0	1	6			
White post, with strong lumps ...	1	3	6			
Whin ...	0	2	3			
White post, with water	0	4	6			
Grey and white post, strong lumps, and water ...	2	4	0			
Grey metal, with strong lumps and water ...	2	0	0			
Black stone ...	0	3	0			
Grey post ...	0	3	0			
Grey metal ...	0	1	0			
COAL ...	0	0	8			
				8	5	5
Carried forward	33	3	1			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Carried forward				33	3	1
Grey thill ...	0	1	6			
Grey metal, with post girdles and hard lumps ...	3	0	0			
Blue metal ...	0	1	0			
Whickham Stone Coal—						
COAL ...	2	1				
Black band, mixed with coal ...	0	3				
Grey stone...	0	10				
COAL ...	0	9				
				0	3	11
Grey thill ...	0	1	6			
White and grey post, with strong lumps	1	5	0			
COAL ...	0	0	3			
				2	0	9
Grey thill ...	0	1	6			
Grey post, with strong lumps and metal partings with water	2	0	0			
White post ...	2	2	3			
COAL—Jet Coal ...	0	1	0			
				4	4	9
Grey thill ...	0	2	0			
Grey metal, with strong lumps ...	2	0	0			
Strong white post, with whin lumps ...	1	0	0			
Grey metal with post girdles and strong lumps ...	1	2	9			
Blue metal, with strong lumps ...	0	3	9			
COAL—5/4 Seam ...	0	2	0			
				5	4	6
Grey thill ...				0	1	6
Total ...				50	3	0

No. 850.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 36", Long. 1° 37' 43".

Bored at Farnacres, Norwood, in the Trial Pit, from the Stone Coal, in the Flats.

Approximate surface level 50 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey thill ...	0	3	0				Brought forward	0	1	0	12	4	8
Grey post ...	2	0	0				Grey stone ...	1	0	0			
Blue metal ...	0	2	0				COAL ...	0	0	4			
Grey post partings ...	0	3	0								1	1	4
Strong whin ...	0	0	8				Grey thill ...	0	3	0			
White post (some partings) ...	1	0	0				Blue metal ...	0	2	0			
Whin ...	0	0	9				Black metal ...	0	0	9			
Grey stone ...	1	0	0				COAL ...	0	1	4			
Blue stone ...	0	3	0								1	1	1
COAL ...	0	1	4	6	1	9	Grey thill ...	0	3	0			
							Grey stone ...	1	0	0			
Grey thill ...	0	1	0				Whin ...	0	1	0			
Grey stone ...	1	1	0				Strong white post ...	6	0	0			
Whin ...	0	0	9				Whin ...	0	1	4			
Blue stone ...	1	0	0				Grey metal ...	0	1	0			
Grey stone ...	1	0	0				Whin ...	0	4	0			
Whin ...	0	2	0				Strong white post ...	0	5	0			
White post ...	1	4	0				Strong grey stone ...	0	0	9			
Grey stone ...	0	2	0				COAL ...	0	1	4			
Blue metal ...	0	2	0								9	5	5
COAL ...	1	10					Grey thill ...	0	3	0			
Stone ...	0	2					Grey stone ...	1	1	0			
COAL ...	0	2					Blue stone ...	1	0	0			
							Grey stone ...	0	5	0			
							Strong white post ...	1	5	0			
							Blue metal ...	0	4	0			
							COAL ...	0	3	0			
											6	3	0
Grey thill ...	0	1	0				Grey thill ...				0	1	0
Carried forward	0	1	0	12	4	8	Total ...				31	4	6

No. 851.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored in Farnacres, from the Whickham Stone Coal in the Prosperous Pit.
October 5th, 1759.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the Stone Coal				28	2	2	Brought forward				28	4	10
Grey stone ...	0	2	0				Grey thill ...	0	2	0			
COAL ...	0	0	8				White post, with water and strong lumps...	2	0	0			
				0	2	8							
Carried forward				28	4	10	Carried forward	2	2	0	28	4	10

No. 851.—FARNACRES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	0	28	4	10	Brought forward	3	2	5	40	4	4
Grey post, with water and strong lumps...	1	4	10				Grey post ...	0	4	0			
COAL ...	0	1	8				COAL ...	0	1	8			
				4	2	6					4	2	1
Grey thill ...	0	2	0				Grey thill ...	0	1	6			
Grey post ...	0	3	0				Grey post ...	0	5	10			
White post, with water	2	2	0				White post, with metal partings and water in it ...	2	1	6			
Whin ...	0	2	6				Grey and white post	0	3	0			
White post, with wind or water ...	0	3	0				Strong white post ...	2	3	0			
Whin ...	0	1	0				Whin ...	0	1	3			
White post, with water	0	5	0				Strong white post ...	0	4	0			
Whin ...	0	1	6				Grey post ...	0	2	0			
White post, mixed with water ...	1	1	0				COAL ...	0	0	6			
Grey post, with metal partings ...	0	4	0								7	4	7
COAL ...	0	2	0				Grey and black metal, mixed with coal ...	0	0	9			
				7	3	0	Grey metal stone, with black metal partings	2	2	9			
Grey thill ...	0	2	0				Grey and white post	0	3	0			
Grey and white post	0	5	0				Strong white post, with grey scames and windy beds ...	5	4	6			
Whin ...	0	1	8								8	5	0
Strong white post, with water ...	1	5	9										
Carried forward	3	2	5	40	4	4	Total ...				61	4	0

No. 852.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 55", Long. 1° 38' 0".

Account of Strata sunk through in the Wheels Pit, Farnacres Colliery. Sunk to the Hutton Seam 1840, and commenced from there April 4th, 1842.

Approximate surface level 30 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Fine brown clay, with sandy parting at the bottom ...	3	1	3				Brought forward	1	1	0	7	0	0
Very strong stony brown clay ...	1	5	9				Maudlin Seam—						
	1	3	3			*	COAL, good	0	5½				
Sand and gravel ...	0	1	9				Bands ...	0	4				
				7	0	0	COAL, coarse	0	2				
Grey post, mixed with metal partings ...	1	1	0				Band ...	0	1½				
							COAL, good	1	3				
Carried forward	1	1	0	7	0	0	COAL, coarse	1	5½				
							Seggar clay ...	1	0				
							COAL ...	1	2½				
										1	0	0	
											2	1	0
							Carried forward				9	1	0

* Approximate sea level (Ordnance datum).

No. 852.—FARNACRES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				9	1	0		Brought forward			40	3	1½
Light grey metal, with post girdles ...	4	1	4					Grey metal ...	3	5	0		
<i>Low Main Coal Seam—</i>								<i>Beaumont Seam—</i>					
COAL ...	1	6						COAL, top	2	1			
Band ...	0	2						Band ...	4	2			
COAL ...	2	0						COAL, bottom	0	10			
				0	3	8					1	1	1
							4 5 0					5	0 1
Grey metal thill ...	1	0	0					Thill stone ...	0	2	0		
White post ...	1	0	0					White post ...	1	3	6		
Whin girdle ...	0	1	6					COAL, coarse ...	0	0	5		1 5 11
White post ...	2	4	8										
<i>Hutton Seam—</i>								Blue metal, with post girdles and scares of coal ...	2	2	7		
COAL ...	2	11						COAL ...	0	0	4		2 2 11
Band ...	0	0¼											
COAL ...	2	0½						Thill stone ...	0	2	0		
Band ...	0	0¼						White post ...	0	2	11		
COAL, bot- tom ...	0	10						Bastard whin ...	0	3	1		
				0	5	10		Post ...	0	3	2		
							6 0 0	Blue metal, mixed with seggar clay ...	1	0	6		
Grey metal thill, mixed with seggar clay and ironstone balls ...	1	0	0					Blue metal ...	1	2	0		
Strong grey metal, with girdles ...	6	4	6					Strong grey metal ...	0	1	1		
Soft blue metal ...	1	3	0					Blue metal ...	0	2	2		
Very strong grey metal	0	5	1										
								COAL, coarse	0	2			
COAL ...	0	2						COAL, good	1	9			
Band ...	0	3						Seggar clay band	0	5½			
COAL, good, but tender...	1	7						COAL ...	0	2½			
				0	2	0					0	2	7
							10 2 7	Grey metal ...	2	2	5		
Thill ...	0	0	3					Post, with metal part- ings ...	1	0	4		
Black stone ...	0	1	2					Blue metal ...	0	1	9		
Grey post ...	0	3	0					COAL ...	0	1	5		9 1 5
Grey metal ...	0	1	0										
White post ...	0	3	0					Strong grey metal, with post girdles ...	2	0	4		
Grey post ...	0	1	0					White post, with metal partings ...	5	5	10		
Hard white post ...	0	3	0					COAL, tender, with small black scares	0	1	8½		8 1 10½
Hard grey post, mixed with grey metal ...	2	0	3										
Grey metal ...	0	1	10½					Grey metal ...	0	2	8		
Whin, mixed with grey post ...	0	2	4½					COAL ...	0	0	3		
Grey post ...	0	3	7½					Blue metal ...	1	1	10		
Soft blue grey metal	2	3	9					Grey metal ...	4	4	2		
COAL ...	0	0	3					COAL, coarse ...	0	0	4		
							8 0 6½	Grey metal ...	0	4	4		
Grey metal, mixed with seggar clay ...	0	4	10					<i>Brockwell Seam—</i>					
COAL, good ...	0	0	8					COAL, good	3	0			
							0 5 6	Splint ...	0	4			
Grey metal ...	1	0	2								0	3	4
COAL, coarse ...	0	0	4									7	4 11
							1 0 6	<i>Sump—</i>					75 2 3
								Grey metal ...	0	1	6		
Carried forward				40	3	1½		White post ...	8	1	6		8 3 0
								Total ...				83	5 3

No. 853.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

*Fatfield.—No. 2 Boring at F, about 250 yards South from the first at G.
February 18th, 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	10	3	0	5	3	0
Clay	1	3	0				Grey and black metal	0	5	0			
Clay and gravel ...	3	5	0				Grey and brown scamy						
				5	3	0	metal	2	1	0			
Rambly post	1	2	0				Brown and blue ramble	0	2	0			
Brown post	2	0	0				Brown and grey ramble	0	1	6			
Brown and grey scamy							Grey post and whin...	3	1	0			
post	0	3	0				Grey black metal ...	0	2	0			
Open brown post ...	0	5	6				Black metal and coal	0	1	0			
Brown and grey post	1	0	0				Black grey metal ...	0	1	0			
Blue metal, mixed with							COAL	0	0	10			
brown post	0	1	6								18	0	4
Grey post	0	2	0				Grey metal				0	2	0
Grey and brown post	4	1	0										
Carried forward	10	3	0	5	3	0	Total				23	5	4

No. 854.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

Portobello.—Section of the Catharine Pit, near to Fatfield Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, and brown							Brought forward	7	2	6	64	4	0½
post	3	3	0				COAL (two bands of						
COAL	0	2	7				1 inch and 2 inches)						
				3	5	7	—Maudlin Seam ...	0	4	10			
Metals	42	2	6								8	1	4
COAL —5/4 Seam ...	0	3	2				Metals	12	0	7			
				42	5	8	COAL —Low Main						
Metals	16	4	9				Seam	0	3	3			
COAL —Main Coal											12	3	10
Seam	1	0	0½				Metals	7	5	7			
				17	4	9½	COAL —Hutton Seam	0	5	0			
Metals	7	2	6								8	4	7
Carried forward	7	2	6	64	4	0½	Total				94	1	9½

No. 855.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 54", Long. 1° 39' 7".

A Boring near Fawdon, No. 30 East, 85 Chains from Kenton Town Gate.
December, 1752.

Approximate surface level 212 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	18	0	10	17	2	0
Stony clay	1	2	0										
Sand and channel, with							Ft. In.						
water	1	2	0				COAL ... 0 10						
Stony clay	11	2	0				COAL, foul... 0 4						
				14	1	0		0	1	2			
Soft brown ramble ...	0	1	8								18	2	0
Brown ramble, with							White metal	0	3	0			
post girdles	0	3	0				Grey metal stones,						
Grey, green, and brown							with post girdles ...	1	0	9			
scamy metal	0	1	6				Whin	0	0	9			
Grey metal	0	3	4				Strong white post ...	0	1	6			
Grey metal, with post							Whin	0	1	0			
girdles and water...	1	1	6				Grey metal stone, with						
Black metal	0	1	0				post girdle... ..	4	4	0			
Black slaty metal,							Grey metal	0	2	0			
scared with coal ...	0	1	0				Blue black metal, with						
				3	1	0	catheads	0	2	0			
Soft white and grey							Kenton Main Coal—						
metal	1	4	0				COAL, hard Ft. In.						
Grey metal stone, with							foul ... 1 0						
post girdles and							COAL ... 4 0						
water	0	4	0				A brass lump						
White post, with scamy							or scareband 0 1						
partings and water	2	0	0				COAL ... 0 7						
White and grey metal,								0	5	8			
with girdles or lumps	3	2	0								8	2	8
Black and blue metal,							Grey metal, scared						
with girdles or lumps	0	3	0				with coal	0	1	3			
Grey metal, with gir-													
dles or lumps	0	3	0				Ft. In.						
Black metal, scared							COAL, with						
with coal and water	0	0	4				white metal 0 6						
Grey and blue metal,							COAL, foul... 1 2						
with girdles or lumps	1	2	0				Blue metal, with						
White post girdles,							some small						
with metal partings							scares of coal 0 7						
and much water ...	2	1	0				COAL ... 1 1						
White post	0	5	0					0	3	4			
Black and grey metal											0	4	7
Blue metal, mixed with							Grey metal	0	1	2			
coal	0	0	6				Grey metal stone, with						
Post girdles, with blue							girdles or lumps ...	4	0	0			
metal partings ...	1	3	0				Grey post, with water	0	3	0			
Blue and black metal, {	2	5	2				Mixture whin	0	0	10			
with catheads ... {	0	0	10				Grey metal stone ...	2	0	0			
							Blue metal	0	1	3			
							Soft blue and black						
							metal, mixed with						
							water	0	1	3			
							Grey metal, with gir-						
							dles or lumps ...	2	4	0			
Carried forward	18	0	10	17	2	0	Carried forward	9	5	6	44	5	3

No. 855.—FAWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	6	44	5	3	Brought forward				55	3	8
COAL , foul							Soft grey metal ...	0	1	0			
slaty ...	2	6					In grey scamy post						
Blue black and							girdles, with metal						
grey scamy							partings ...	0	3	0			
metal ...	1	0									0	4	0
COAL , hard													
foul slaty,	1	5											
with water...													
				0	4	11							
				10	4	5							
Carried forward				55	3	8	Total ...				56	1	8

* Approximate sea level (Ordnance datum).

No. 856.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 52", Long. 1° 38' 39".

An Account of Strata sunk through in Fawdon Engine Pit. March 9th, 1810.

Approximate surface level 208 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	6				Brought forward	5	3	4	15	5	9
Soft blue clay ...	1	2	0				Blue stone ...	5	1	9			
Sand and gravel, with							COAL ...	0	0	1			
water ...	0	1	0								10	5	2
Strong stony clay ...	5	5	6				Grey post, with open						
COAL ...	0	1	3				gullets and water...	2	4	0			
Soft blue thill ...	1	0	0				White post, very close	1	4	0			
Blue stone ...	1	4	10				Black stone ...	0	3	0			
COAL , splint, with							COAL and stone ...	0	1	0			
water ...	0	0	9								5	0	0
Soft blue thill ...	0	3	6				White post, with cashy						
White post, with water	2	2	0				partings ...	1	3	3			
Black stone ...	1	0	6				White post ...	0	4	5			
COAL ...	0	1	11				Black stone ...	0	3	5			
				15	5	9					2	5	7
Grey metal stone ...	1	0	2				COAL ...	0	1	3			
Grey post, with water	0	3	11										
Blue stone ...	1	4	6								5	5	11
Black stone ...	0	1	9				Post— <i>Main Post</i> ...	8	4	6			
Grey metal stone ...	1	1	0				COAL ...	0	4	6			
White post, with water	0	4	0								9	3	0
Carried forward	5	3	4	15	5	9	Total ...				47	1	10

* Approximate sea level (Ordnance datum).

No. 857.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 52", Long. 1° 38' 39".

Boring made from the Thill of the Seam in Fawdon Engine Pit.

Approximate surface level, plumb over top of pit, 208 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal stone ...	6	2	0				Brought forward	2	5	0	12	0	1
COAL ...	0	0	8				Whin ...	0	0	10			
				6	2	8	White post, with water	1	1	6			
Soft thill ...	0	2	9				Whin ...	0	1	6			
Grey metal stone ...	3	0	3				Post ...	0	0	8			
White post ...	0	0	1				Grey metal stone ...	0	3	0			
Grey metal stone ...	0	0	9				Post ...	0	1	2			
White post, with water	0	1	6				Grey metal stone ...	0	1	9			
Grey metal stone ...	1	2	9				Blue stone ...	0	2	4			
Black stone ...	0	1	2				COAL ...	0	0	9			
COAL ...	0	0	2								6	0	6
				5	3	5	In thill ...				1	0	0
Thill ...	0	3	0										
Blue stone ...	2	2	0										
Carried forward	2	5	0	12	0	1	Total ...				19	0	7

No. 858.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Fawdon Second Pit. March 11th, 1812.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	1	0				Brought forward	1	1	0	15	1	0
Stony clay ...	1	2	0				Brown scamy metal ...	1	0	0			
Sand and gravel ...	0	2	0				Blue stone ...	5	4	0			
Stony clay ...	12	2	0				Black stone ...	4	2	0			
				15	1	0	Blue stone ...	1	0	0			
Soft brown stone ...	0	3	0				Grey post ...	1	0	0			
Brown ramble, with											14	1	0
post girdles ...	0	4	0										
Carried forward	1	1	0	15	1	0	Total ...				29	2	0

No. 859.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Fawdon Third Pit. May, 1812.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	1	0				Brought forward	7	4	0	14	2	0
Stony clay ...	1	0	0				Post stone ...	1	5	0			
Sand and gravel ...	0	1	0				Grey metal stone ...	3	3	0			
Stony clay ...	12	0	0				White post, with open						
				14	2	0	gullets and water...	2	4	0			
Soft blue stone ...	4	0	0								15	4	0
Black stone ...	3	4	0										
Carried forward	7	4	0	14	2	0	Total ...				30	0	0

No. 860.—FELKINGTON.

TOWNSHIP OF FELKINGTON, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. , Long.

Section of Strata sunk through in Felkington New Pit, and in a Staple from the Cooper-Eye Seam on the Fourteen-Fathom Upcast Dyke South-west to the Wester Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	3	0				Brought forward				11	2	5
Freestone bands ...	0	5	0				Soft light blue shale	0	2	0			
Red freestone ...	6	0	0				Limestone ...	0	0	3			
Blue shale ...	0	2	5				Strong grey sills ...	0	2	0			
COAL, coarse ...	0	0	9				Freestone ...	0	1	8			
Hard limestone ...	0	2	6				Shale ...	0	0	2			
COAL, good ...	0	1	0				Hardy or Stony Coal—						
Blue shale ...	0	2	10										
Limestone ...	0	2	7				COAL ...	0	9				
Soft blue shale ...	0	2	10				Band of blue						
Black Hill or Scre-							shale ...	0	9				
merston Main Coal							COAL ...	1	2				
Seam—							Band of lime-						
COAL, top,							stone ...	1	2				
mixed with							COAL ...	0	9				
limestone...	2	6								0	4	7	
Stone band...	0	2									1	4	8
COAL, ground	0	10					Strong tills and free-						
							stone ...	0	1	2			
							Grey tills ...	0	1	0			
							COAL, diamond ...	0	1	4			
											0	3	6
Carried forward				11	2	5	Carried forward				13	4	7

No. 860.—FELKINGTON.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward						13	4	7							21	4	11	
Tills	...	...	0	2	0													
Freestone bands	...	...	0	4	0													
Limestone	...	...	0	1	6													
COAL	...	...	0	0	4													
Tills	...	...	0	2	6													
Strong blue shale	...	...	2	5	0													
Freestone bands	...	...	1	0	3													
Blue shale	...	...	1	4	0													
COAL, coarse	...	...	0	0	3													
Freestone	...	...	0	1	0													
Main or Bulman Coal																		
COAL (gen-																		
erally left	Ft.	In.																
for roof)	1	2																
Strong chalk	0	1																
COAL, splint,																		
good	1	1																
COAL, rough,																		
good	0	7																
Stone band...	1	8																
COAL, coarse	0	8																
COAL, par-																		
rot	0	11																
Stone chalk	0	1																
COAL, foul,																		
smithy	0	4																
			1	0	7													
						8	3	5										
Strong grey tills	...	...	0	0	7													
Soft light blue shale...	...	...	0	0	9													
Freestone band	...	...	0	0	6													
Black shale	...	...	0	0	3													
Limestone	...	...	0	1	1													
Black shale	...	...	0	0	10													
Limestone	...	...	0	0	3													
COAL	Ft.	In.																
Limestone	0	11																
COAL	0	7																
			0	2	5													
						1	0	8										
Strong grey tills	...	...	0	4	6													
Soft blue shale	...	...	0	1	11													
Tills	...	...	0	2	6													
Strong grey sills	...	...	3	0	0													
Freestone bands	...	...	6	2	0													
Blue metal	...	...	0	5	0													
Grey freestone	...	...	1	2	0													
COAL	...	...	0	0	6													
Hard red freestone																		
(Ten-Quarter Stone)	3	0	0															
Blue metal	...	...	0	2	0													
Grey freestone (Ten-																		
Quarter Stone)	2	3	0															
Blue metal	...	...	2	0	0													
Limestone	...	...	0	2	0													
COAL	...	...	0	1	0													
Metal	...	...	0	0	6													
Grey tills	...	...	0	2	0													
Carried forward	21	4	11	23	2	8												

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						21	4	11							23	2	8
Three-Quarter Seam—																	
COAL	...	Ft. In.	1	2													
Stone band...	...		0	6													
COAL	...		1	0													
						0	2	8									
									22	1	7						
Metal	...	...	0	3	0												
COAL	...	...	0	0	3												
Blue metal	...	...	0	1	6												
Freestone	...	...	0	2	6												
Blue metal	...	...	0	2	0												
COAL	...	...	0	0	3												
Limestone	...	...	0	1	2												
Cooper-Eye Seam—																	
COAL, splint	...	Ft. In.	1	3													
Stone band...	...		0	9													
COAL, ground	...		1	4													
						0	3	4									
									2	2	0						
Soft blue metal	...	...	0	3	0												
Limestone	...	...	0	1	6												
Tills	...	...	0	2	0												
Hard bastard lime-																	
stone	...	...	0	3	0												
Blue tills	...	...	0	5	0												
Limestone	...	...	0	1	0												
Blue tills	...	...	0	1	6												
Freestone	...	...	0	2	0												
Blue tills	...	...	0	3	6												
Freestone	...	...	0	1	0												
COAL	...	...	0	0	6												
Metal	...	...	0	1	0												
Grey freestone	...	...	0	2	9												
Red freestone	...	...	0	2	9												
Limestone	...	...	0	1	4												
Metal	...	...	0	1	6												
Limestone	...	...	0	1	8												
Freestone band	...	...	0	2	0												
Tills	...	...	1	0	0												
Limestone	...	...	0	2	6												
Metal	...	...	0	1	4												
Limestone	...	...	0	1	0												
Metal	...	...	0	2	6												
Wester Coal Seam—																	
COAL	...	Ft. In.	2	2													
Limestone	...		1	6													
COAL	...		0	7													
Blue metal	...																
band	...		3	0													
COAL	...		0	10													
						1	2	1									
									9	4	5						
Total	...	...										57	4	8			

No. 863.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Bored in the second place in Felling Grounds, 200 yards South from the first.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Raised from the surface	0	3	0				Brought forward				36	0	8
Soil and sandy clay ...	0	1	6				Soft grey metal ...	0	2	0			
Stony clay ...	1	0	0				Grey and blue metal ...	1	3	0			
Leafy clay ...	2	0	0				Black metal ...	0	0	6			
Stony clay ...	1	2	6				COAL ...	0	0	8			
Stony clay, mixed											2	0	2
with sand ...	1	3	0				Blue and grey metal	0	1	0			
Sand, with a small							Grey post ...	2	0	0			
mixture of clay ...	0	5	3				Soft white metal ...	0	4	0			
Leafy clay ...	3	0	9				Strong grey metal						
Leafy, clay, mixed							stone ...	1	3	0			
with sand and a							Blue and grey metal,						
small sipping of water	4	4	0				with girdles or						
Sand, with a sipping of							lumps ...	3	0	0			
water and a small							COAL ...	0	0	7			
mixture of clay ...	1	3	0								7	2	7
Brown sandy ramble							Blue metal ...	0	1	0			
or gravel ...	1	3	0				Grey and white post,						
				18	2	0	with water ...	1	1	0			
Brown scamy metal,							Blue and black metal,						
with water ...	3	0	9				with girdles or						
Soft red and brown							lumps and water ...	2	1	0			
sandy ramble ...	0	2	0				White post ...	1	3	0			
Brown scamy post,							Black metal, with						
with open thready							girdles or lumps ...	2	0	6			
partings ...	1	4	7				COAL ...	0	0	6			
Black stone ...	0	1	6								7	1	0
Grey metal ...	1	1	0				Grey metal ...	0	0	9			
Open grey and brown							Strong white and grey						
post, with water ...	0	3	0				post and water ...	2	3	0			
Whin ...	0	2	0				Strong white and grey						
Brown and grey post							post and water ...	9	1	0			
Soft grey metal, with							Grey metal ...	0	1	4			
post girdles and							Soft blue and black						
water ...	1	2	0				metal ...	0	0	6			
COAL ...	0	0	10										
				9	3	8	COAL ...	Ft. In.					
Soft grey metal ...	0	1	0				... 1 5						
Blue and black metal,							Blue metal, scared						
with girdles or							with coal ...	0	1				
lumps ...	1	0	0				COAL ...	0	7				
Grey metal stone ...	1	3	0				Small slaty						
Blue and grey metal,							lump or band	0	1				
with post girdles ...	1	5	0				COAL , with						
Whin ...	0	1	6				water ...	3	0				
Strong white post,							Blue metal ...	0	3				
with water ...	3	1	6				COAL ...	1	11				
Black slaty metal,							COAL , foul						
mixed with coal ...	0	0	6				brassy ...	0	6				
COAL ...	0	0	6							1	1	10	
				8	1	0	In grey metal ...						
Carried forward				36	0	8					13	2	5
											0	1	0
							Total ...				66	1	10

No. 864.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

An Account of a Boring at Felling Shore. October 26th, 1776.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	4	1	6				Brought forward	8	4	10	27	3	9
Box ...	1	3	0				COAL , foul ...	0	0	6			
Brown and grey post, with water ...	3	0	0				Soft blue grey metal	1	0	6			
Brown and black rambly metal ...	0	3	0				COAL ...	0	0	8			
Grey metal and metal stone, with girdles	2	3	0								10	0	6
Grey and brown post	1	0	0				Grey metal ...	0	0	6			
Strong thready post, with water ...	0	1	6				Grey post, with water	1	3	0			
Brown and grey post, with metal partings	4	0	0				Blue grey metal ...	0	5	0			
COAL , foul slaty ...	0	0	8				Black metal ...	0	0	8			
				17	0	8	COAL ...	0	0	6			
Grey metal, with girdles ...	1	3	0								2	3	8
COAL ...	0	0	10				Blue metal ...	0	2	0			
				1	3	10	Grey post ...	1	0	0			
Grey metal ...	1	4	0				Blue grey scamy stone	0	5	6			
White and grey post, with water ...	1	1	0				Soft blue and black metal ...	2	3	0			
Grey metal and metal stone, with water ...	2	5	0				COAL ...	0	0	4			
Black stone ...	0	1	0								4	4	10
Grey and blue metal and metal stone, with girdles and water ...	2	5	0				Black grey metal ...	0	1	6			
Black slate, mixed with coal ...	0	1	3				Grey scamy post, with water ...	4	0	0			
				8	5	3	Strong white post, with whin in several places ...	5	4	9			
Grey post and water	1	0	0				Blue rambly metal ...	0	1	0			
Grey metal stone ...	1	3	0				Grey post ...	0	1	6			
Black slaty metal, with some scares of coal ...	0	1	4				COAL , with a small brassy band 29 in- ches from top— <i>Main</i> <i>Coal Seam</i> ...	0	5	1			
Grey metal ...	1	0	0								11	1	10
Mixture whin ...	0	1	6				Grey metal ...	0	0	3			
Grey metal stone, with girdles ...	4	5	0				COAL , coarse, mixed with brass in the middle ...	0	2	1			
							Black slate, mixed with coal ...	0	0	7			
Carried forward	8	4	10	27	3	9					0	2	11
							In grey metal ...				0	1	0
							Total ...				57	0	6

No. 865.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 27", Long. 1° 34' 5".

Bored in a second place in Felling Estate, about 500 yards North from Felling Hall.
February 28th, 1777.

Approximate surface level 85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	9	4	6			
Box	4	2	6			
	1	5	0			*
Soft brown ramble						
post	4	0	0			
Brown post	0	2	0			
Black metal, with						
scars of coal	1	0	0			
Grey and blue metal	0	4	0			
COAL, foul, with						
small bands of metal	0	2	3			
				22	2	3
Grey and blue metal,						
with girdles	2	4	6			
Grey and brown post	4	4	0			
Blue grey metal	0	2	0			
COAL	0	1	2			
				7	5	8
Blue grey metal, with						
post girdles	8	2	7			
Grey metal	0	3	0			
White post, with water	1	0	0			
Grey metal and metal						
stone, with girdles						
and water	4	5	0			
Carried forward	14	4	7	30	1	11

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	4	7	30	1	11
Whin	0	1	0			
Grey metal stone, with						
girdles	1	0	0			
Blue and black metal	2	0	7			
COAL	0	0	5			
				18	0	7
Grey metal	0	1	0			
White post, with water	2	2	0			
Strong white post,						
with a mixture of						
whin in several						
places and water	9	0	0			
Blue metal	0	0	2			
COAL	0	2	0			
Slaty metal	0	2	1			
COAL	0	3	1			
				12	4	4
Blue metal	0	0	2			
COAL, coarse	0	0	11			
Blue metal	0	0	1			
COAL coarse	0	1	3			
				0	2	5
Total				61	3	3

* Approximate sea level (Ordnance datum).

No. 866.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 32", Long. 1° 33' 40".

An Account of the Strata at Venture Pit, Felling Colliery.

Approximate surface level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Outset clay and soil	12	3	0				*	Brought forward	28	5	6			
	6	4	0					COAL — $3\frac{3}{4}$ Seam ...	0	1	6			
Sand	2	5	0								29	1	0	
Brown post	2	0	0					White post girdles						
Blue and grey metal								and metal partings	1	5	4			
stone	4	5	6					Grey metal stone ...	1	0	2			
Carried forward	28	5	6					Carried forward	2	5	6	29	1	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	6	29	1	0
Blue metal stone ...	1	2	4			
Grey metal stone ...	1	0	4			
White post ...	0	2	2			
Blue and grey metal...	1	4	8			
Blue metal ...	8	5	7			
Whin ...	0	2	5			
White post, mixed						
with whin ...	4	0	0			
Black stone ...	4	0	0			
Post (<i>Main Post</i>) ...	10	4	6			
COAL — <i>High Main</i>						
<i>Seam</i> ...	0	5	5			
				36	2	11
<i>Sunk to Low Main</i>						
(commenced October						
25th, 1801):—						
Thill of <i>Main Coal</i> ...	0	0	3			
COAL , ground ...	0	2	6			
Thill ...	0	1	0			
Blue stone, with metal						
and whin girdles ...	4	3	4			
COAL ...	Ft.	In.				
... 0 9						
Stone ... 0 11						
COAL ... 2 1						
	0	3	9			
				5	4	10
Thill ...	0	4	0			
Blue stone ...	1	0	0			
Black stone, with whin						
and post girdles ...	1	1	7			
Mild black stone ...	0	4	4			
COAL — <i>Stone Coal</i>	0	0	4			
Thill ...	0	2	0			
Grey metal stone, with						
post girdles ...	0	2	4			
Grey metal stone, with						
whin and post girdles	1	1	10			
COAL ...	0	0	3			
				5	4	8
Strong blue —, with						
catheads (ironstone						
balls?) ...	1	0	0			
Strong post and whin	0	4	6			
Strong black stone,						
with whin and post						
girdles ...	1	3	0			
Grey metal stone, with						
post girdles ...	2	0	0			
Strong blue stone,						
with girdles ...	1	1	9½			
COAL — <i>Yard Seam</i>	0	1	10			
				6	5	1½
Grey metal stone, with						
whin and post girdles	6	4	10			
Carried forward	6	4	10	84	0	6½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	4	10	84	0	6½
Strong post, with whin	0	4	5			
Bluestone, with girdles	2	0	0			
Strong post and whin	0	3	0			
Grey metal stone ...	3	3	9			
<i>Bensham Seam</i> —						
COAL ...						
Band ...						
COAL ...						
	0	2	5½			
				14	0	5½
Grey metal stone, with						
thin post girdles ...	2	4	8			
Post girdles, with						
metal partings ...	1	0	2½			
Strong white post, with						
whin (met with a						
feeder of salt water						
and sulphur at the						
top of the post) ...	6	1	10			
Blue and grey metal						
stone ...	0	1	0			
COAL ...	0	0	6			
				10	2	2½
Blue metal stone ...	1	0	0			
Strong white post,						
with whin girdles...	2	0	9			
Blue metal stone ...	0	0	3			
<i>Six-Quarter Seam</i> —						
COAL ...	Ft.	In.				
... 0 8						
Black band... 0 4						
COAL ... 1 9						
				0		

* Approximate sea level (Ordnance datum).

NOTE.—BENSHAM SEAM.—The band has been probably half-an-inch in thickness, as no notice has been taken of it.—*December 4th, 1821.*

No. 867.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata bored through at the Venture Pit, Felling Colliery.
Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				15	3	8	Brought forward	4	3	4	32	3	10
Box	7	0	0				COAL	0	0	9			
Brown post, with part-ings	3	4	0				Grey metal stone	1	3	0			
COAL	0	1	3				COAL	0	1	5	6	2	6
				10	5	3	Soft blue and grey slaty metal	5	0	0			
Grey metal, with girdles	2	0	0				Grey metal, with girdles	2	0	4			
COAL	0	1	4				White post	0	1	6			
				2	1	4	Whin	0	3	0			
Grey metal	1	5	6				Strong white post	0	1	0			
Strong white post, mixed with whin	0	1	9				Grey metal stone, with post girdles	3	3	6			
Grey metal, with girdles	1	3	6				Blue and black metal	2	3	0			
COAL	0	0	10				COAL	0	1	0	14	1	4
				3	5	7	Grey metal	0	2	3			
Grey metal	2	1	0				Strong white post	10	5	7			
Strong white post, with metal partings	1	2	0				COAL—High Main Seam	1	0	0	12	1	10
Grey metal, with girdles	1	0	4										
							Total				65	3	6
Carried forward	4	3	4	32	3	10							

No. 868.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. of John Pit 54° 57' 15", Long. 1° 34' 21".

An Account of a Boring in the John Pit, from the Thill of the Low Main Seam to the Beaumont Seam. July 6th, 1840.

Approximate surface level at top of pit 120 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Box	...	1	2	0			
Grey metal	...	0	2	0			
Strong white post	...	11	4	0			
Black metal and <i>foul</i> <i>coal</i>	...	0	1	0			
Grey metal stone	...	0	3	0			
White post	...	2	3	0			
Grey metal, with girdles	...	7	0	6			
Strong white and grey post, with metal partings	...	3	3	9			
Carried forward		27	1	3			

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		27	1	3			
Dark grey metal, with girdles	...	0	3	3			
					27	4	6
<i>Beaumont Seam</i> —							
	Ft. In.						
COAL	...	1	8				
Grey metal stone	...	2	6				
COAL	...	0	10				
					0	5	0
In grey post	...	1	4	8			
					2	3	8
Total	...				30	2	2

No. 869.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Third place near Thinford Lane, 350 yards S.W. from the first. July 15th, 1777.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and strong stony clay ...	3	4	0				Brought forward	6	1	3	18	0	3
Rambly post...	0	4	3										
Brown and grey post	3	2	3				COAL ...						
Grey and scamy post, with coal pipes ...	0	1	0				Blue metal ...						
Brown and grey post	3	2	0				COAL ...						
COAL, with water...	0	2	3										
				11	3	9	Grey metal ...						
Grey metal ...	0	3	0				White and grey post						
White grey post ...	0	5	0				Grey metal stone, with water ...						
Grey metal, with post girdles ...	2	0	10				Black stone ...						
White grey and scamy post ...	0	4	6				Blue grey metal ...						
Strong grey metal stone ...	0	3	5				COAL, soft, with water ...						
Blue grey metal ...	1	2	4										
COAL, foul... Ft. In.	0	6					Soft dunnish grey metal, with water ...						
COAL ...	0	8					Grey metal, with brass lumps ...						
COAL, foul... 0 3							White post, with metal partings and water						
				6	2	6	Black stone, with dun lumps ...						
Blue grey metal ...	0	1	0				Grey metal stone, post girdles, and water...						
Grey scamy post, with metal partings ...	1	2	7				Grey and white post...						
Blue metal ...	0	1	0				Blue metal stone ...						
COAL ...	0	1	0				White post, with water						
Black stone ...	0	0	3				COAL ...						
Blue grey metal ...	0	5	0				Black grey slate, mixed with coal ...						
COAL ...	0	0	8				Blue metal stone ...						
Blue metal ...	0	1	10				Grey and white post						
Grey scamy post ...	0	2	10										
Strong white post, with water ...	1	1	4										
Blue grey metal ...	1	1	1				Sept. 13th. — Bored further :—						
Black stone ...	0	0	8				Grey and white post...						
Carried forward	6	1	3	18	0	3	Total ...						

No. 870.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. $54^{\circ} 41' 10''$, Long. $1^{\circ} 34' 19''$.

*Account of the Boring in the High Pit, at Ferryhill, about a mile West from the Town.
December 24th, 1823.*

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the <i>Main Coal</i>						
<i>Thill</i> ...				27	0	0
White grey metal ...	1	1	0			
Dark grey metal stone,						
with post girdles ...	4	1	0			
Grey post ...	0	3	0			
Grey metal stone ...	1	5	4			
Grey metal ...	1	1	8			
Grey metal stone, with						
post girdles ...	2	1	0			
Darkish grey metal ...	0	1	2			
COAL ...	Ft.	In.				
	0	4				
Dark grey metal,						
scared						
with <i>coal</i> ...	1	11				
COAL ...	0	11				
Dark grey metal,						
with						
scares of <i>coal</i>	0	7				
COAL ...	0	8				
Dark metal ...	0	4				
COAL ...	0	5				
	—			0	5	2
				12	1	4
White metal... ..	1	2	0			
COAL , foul ...	0	0	8			
				1	2	8
Dark grey metal ..	0	1	0			
Grey metal stone, with						
girdles, rather dark						
the last 6 fathoms	9	3	8			
COAL , rather foul...	0	1	6			
				10	0	2
Grey metal	0	0	9			
Black metal, marked						
with <i>coal</i>	0	0	7			
Grey metal stone, with						
girdles	6	0	6			
Carried forward	6	1	10	50	4	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	10	50	4	2
Blue grey whin ...	0	1	0			
Grey metal stone ...	0	3	8			
COAL	0	1	5			
	—			7	1	11
Grey metal	0	1	6			
Grey metal stone ...	0	4	0			
Black metal, scared						
with <i>coal</i>	0	1	0			
Grey post (set away						
the water) ...	2	0	8			
White post, mixed						
with whin	0	2	8			
Blue grey metal stone	0	1	6			
Strong grey post ...	0	2	0			
Grey metal stone, dark						
near the bottom ...	0	4	0			
COAL ...	Ft.	In.				
	0	11				
Dark grey metal	0	5				
COAL ...	0	2				
	—			0	1	6
				5	0	10
Grey metal stone, with						
post girdles ...	0	3	5			
Strong grey post ...	0	5	6			
Grey metal and metal						
stone	3	0	0			
COAL	0	1	9			
				4	4	8
Grey metal stone, in-						
cling to post ...	5	1	0			
Strong white post,						
mixed with whin ...	7	3	9			
Grey metal stone ...	0	0	9			
Strong white post,						
mixed with whin ...	7	3	9			
Dark grey metal, with						
girdles	2	3	0			
Carried forward	23	0	3	67	5	7

No. 870.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	23	0	3	67	5	7	<i>Section of the Main Coal Seam at Ferryhill:—</i>						
Dark metal, with girdles ...	1	1	6				Good roof, metal stone	...					
Grey metal and thin girdles ...	0	3	6				COAL , good	...	0	1	0		
Strong white post, with a mixture of limestone ...	3	1	6				Grey metal band	...	0	1	0		
				28	0	9	COAL , good	...	0	3	0		
							COAL , foul	...	0	0	5		
Total ...											0	5	5
							Total ...				0	5	5

* Approximate sea level 3½ feet below this.

No. 871.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 19", Long. 1° 34' 37" of High Hill House.

Bored in the first Hole on the side of Ferryhill, on the South side of the Brook in a Field adjoining the High Old House on the West side. October 1st, 1835.

Approximate surface level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	10				Brought forward	26	0	9			
Strong brown and blue stony clay ...	4	1	8				COAL , coarse						
Soft red post ...	1	1	0				splinty	...	0	10			
Red post (the water arose to the scaffold)	2	5	8				COAL , rather coarse	...	1	7			
Soft red and blue metal partings ...	0	4	4								0	2	5
Grey, red, and brown scamy post, with soft partings ...	3	3	6				Grey metal and metal stone, with thin girdles and water...	3	0	4			
Black metal, with red scares ...	0	1	4				COAL , brassy and rather coarse, with water	...	0	1	8		
Grey and red post, with water ...	9	4	8								3	2	0
Whin girdle ...	0	0	10				Grey metal and metal stone, with post girdles	...	2	3	10		
Strong red post, with whin girdles and water ...	1	3	2				COAL	...					
Blue metal ...	1	2	0				Metal band	...	0	2			
Black metal, mixed with <i>foul coal</i> ...	0	1	9				COAL	...	0	8			
							COAL , foul...	1	9				
											0	3	6
Carried forward	26	0	9				In grey metal	...			3	1	4
											0	3	0
							Total ...				33	3	6

No. 872.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. about 54° 41' 30", Long. 1° 32' 3".

Boring in the Ferryhill Estate, at the East end of Ferryhill, about 200 yards West from the Clarence Railway. 1836.

Approximate surface level 365 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	4	0				Brought forward				25	0	2
Sandy clay ...	1	0	0				Grey metal, scared						
Brown and grey metal	1	4	0				with coal ...	1	5	6			
Black metal ...	0	2	0				Grey post ...	0	1	0			
Grey metal ...	0	5	0				Grey metal stone ...	1	5	6			
Black metal ...	0	2	2				Strong white post ...	1	1	0			
Grey metal ...	1	0	6				White metal ...	0	1	0			
Black metal ...	0	0	2				Black metal, scared						
Grey metal ...	0	1	2				with coal ...	0	2	6			
Dark grey metal,							Grey metal stone ...	3	0	6			
mixed with coal ...	0	1	9				Black metal stone,						
				6	2	9	scared with coal ...	0	2	6			
COAL, rather foul...	0	1	1				Grey metal stone, with						
Brownish grey metal	5	3	3				post girdles and						
Dark metal, scared							water ...	4	3	6			
with coal ...	0	2	0				COAL ...	0	1	3			
											14	0	3
COAL, tender	3	7					Grey metal stone ...	11	5	9			
COAL, coarse							Whin ...	0	4	4			
splint ...	1	7					Grey metal stone ...	0	2	0			
				0	5	2	Strata omitted ...	0	3	6			
				6	5	6					13	3	7
Grey metal and metal							Grey metal ...	0	3	2			
stone, with post							Strong white post ...	0	3	2			
girdles ...	4	2	4				Grey metal stone ...	2	3	0			
							Strong grey metal, in-						
COAL, soft,							clining to post ...	1	2	0			
rather foul...	1	2					COAL ...	0	1	10			
Grey metal ...	0	1									5	1	2
COAL ...	0	1					Grey metal stone ...	1	4	0			
				0	1	4	COAL, foul...	0	0	10			
				4	3	8					1	4	10
Grey metal ...	0	2	9				Grey metal ...	1	1	3			
Whitish grey post ...	1	0	0				Strong white post ...	1	1	0			
Grey metal stone, with							Whin ...	1	0	0			
girdles ...	4	3	11				Strong white post ...	0	0	10			
COAL, slaty							Whin ...	0	3	7			
first 3 inches, Ft. In.							Grey metal stone ...	1	0	0			
with water...	1	4					COAL ...	0	4	7			
Grey metal band	0	8									5	5	3
COAL, foul...	0	1					In grey metal ...				1	2	0
COAL, with													
water ...	3	0											
COAL, foul...	0	6											
				0	5	7							
				7	0	3							
Carried forward				25	0	2	Total ...				66	5	3

* Approximate sea level (Ordnance datum).

No. 873.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 42' 7", Long. 1° 34' 2".

Boring in the fourth Hole, one mile North of Ferryhill, and 220 yards West of Turnpike. January 5th, 1836.

Approximate surface level 427 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay, with some small pieces of metal	3	4	6				Brought forward	21	5	0	15	5	8
COAL , soft	0	1	0				Strong grey metal stone, inclining to post	2	0	6			
				3	5	6	Strong white post, mixed with whin	0	4	10			
Grey metal and metal stone	1	2	0				Strong white post, with water	2	4	3			
COAL , rather foul	0	0	11				Strong grey metal stone	1	3	9			
				1	2	11	Darkish grey metal	0	1	0			
Grey metal	0	5	1				COAL , tender and brownish the first 16 inches	0	3	0			
Strong grey metal stone	3	1	6								29	4	4
Old waste (supposed to be the <i>Five-Quarter</i>)	0	2	9				Brownish grey metal	0	0	5			
				4	3	4	Strong white post	3	2	11			
Grey metal	1	2	3				Blue metal parting	0	1	0			
Whitish grey post	1	4	9				Strong white post	0	3	1			
Grey metal stone	2	3	3				Metal parting	0	1	0			
COAL , soft coarse	0	1	8				Strong white post, with partings	0	3	5			
				5	5	11	Strong grey metal stone, with girdles	1	0	3			
Grey metal and metal stone, with post girdles	7	3	4				Gulley mixed whin girdles	0	0	11			
Grey and white thready post, with water	1	2	10				Grey metal stone	2	3	6			
Strong white thready post, with whin girdles and water	0	3	8				Black metal	0	0	4			
Grey and white post, with whin girdles	2	3	6				COAL	0	1	7			
Strong grey metal stone, with water and girdles	3	1	5								9	0	5
Grey thready post, with water	0	4	4				Grey metal stone, with girdles	1	3	0			
Strong white post, with water	0	3	8				COAL , foul	0	1	0			
Grey metal and metal stone, with whin girdles	4	1	6								1	4	0
Grey post	0	3	6				Grey metal and metal stone, with girdles	4	3	8			
Strong white post, mixed with whin and water	0	1	3				COAL , strong	0	2	6			
											5	0	2
Carried forward	21	5	0	15	5	8	Grey metal	0	5	10			
							COAL	0	2	0			
											1	1	10
							Grey metal	0	0	2			
							Whitish grey post, mixed with whin	8	2	5			
								3	5	0			*
							Carried forward	12	1	7	62	4	5

* Approximate sea level (Ordnance datum).

No. 873.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	1	7	62	4	5	Brought forward				78	5	3
Dark blue metal ...	0	0	8				Grey metal stone, with						
							hard girdles ...	3	0	4			
COAL ...	0	11					COAL , slaty, Ft. In.						
Dark metal,							and will not						
scared with							cinder ...	0	8				
coal ...	1	6					COAL , good	3	10				
COAL , with										0	4	6	
sulphur ...	1	1											3 4 10
				0	3	6	In whin or ironstone						0 0 1
Grey metal stone ...	3	0	8	12	5	9							
COAL , foul...	0	0	5										
				3	1	1							
Carried forward				78	5	3	Total ...				82	4	2

No. 874.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 41' 28", Long. 1° 32' 21".

Boring in the fifth Hole, at the East end of Ferryhill, in the third field West of Clarence Railway. July 6th, 1836.

Approximate surface level 465 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	4	0				Brought forward	11	3	0			
Soft marl ...	0	3	4				Blue and red metal ...	1	0	6			
Brown limestone, with							Strong red and grey						
soft marly partings	2	4	8				post, with water ...	11	4	0			
Blue metal stone ...	0	3	2				Whin ...	0	2	8			
Brown post, mixed							Brown post ...	0	3	3			
with whin near the							Whin ...	0	0	6			
bottom ...	1	0	0				Brown post ...	0	1	0			
Strong grey metal							In red post, with whin						
stone ...	0	1	9				girdles ...	3	1	1			
Red post ...	2	2	1								28	4	0
Grey metal ...	0	3	0										
Red post, with part-													
ings ...	2	5	0										
Carried forward	11	3	0				Total ...				*28	4	0

* Approximate sea level 293 feet below this.

No. 875.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring in the seventh Hole, at Ferryhill. October 2nd, 1838.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand, with water at 9 feet from surface	4	4	0				Brought forward	2	0	0	33	3	4
Red post	0	2	8				Grey post	1	0	0			
Grey and red metal	0	2	9				Grey metal stone	0	3	8			
Black metal	0	0	6				COAL (burns to red ashes)	0	2	1			
Dark grey metal	0	4	4								3	5	9
Black metal	0	0	4				Grey metal stone	2	1	4			
Grey metal	0	1	7				White post, with whin	1	1	10			
COAL	0	0	7				Blue metal	0	0	6			
				6	4	9	Stong white post	0	5	7			
Grey metal stone, inclining to post, with water	6	1	3				Dark metal	0	0	7			
COAL, slaty	0	1	0				Grey metal stone	1	4	8			
				6	2	3	Grey post	1	1	4			
Grey metal stone	4	0	0				Whin	0	3	0			
Whin	0	1	6				White post	1	5	4			
Grey metal stone	1	4	10				Grey metal	0	0	8			
COAL	1	10					Black metal, scared with coal	0	0	6			
Grey metal	0	8					Grey post	1	2	2			
COAL, foul... ..	0	2					Whin	0	1	6			
				0	2	8	Strong grey metal stone, with post girdles	4	0	3			
Grey metal	5	4	6				Strong white post, mixed with whin	1	0	0			
COAL, strong coarse	1	8					Strong grey metal stone or parting	0	1	4			
COAL, foul... ..	0	4					White post, mixed with whin	0	5	11			
				0	2	0	Dark metal, with girdles	3	4	8			
Grey metal stone	1	2	9				White post, mixed with whin	7	5	9			
Black metal stone	1	2	8				Grey metal stone	1	3	8			
COAL	0	0	11				Black metal, scared with coal	0	0	3			
				3	0	4	Hard girdle	0	0	1			
Dark metal	0	2	6				Grey metal	0	0	3			
Black metal	0	3	10				Supposed Hutton Seam—						
Whitish grey post, mixed with whin	2	1	10				COAL, good strong	4	0				
Grey and dark metal	0	5	10				COAL, coarse	0	2				
											0	4	2
COAL, foul... ..	0	10									32	1	4
Dark grey metal	0	4					Into grey metal				1	0	0
COAL, foul... ..	1	4											
				0	2	6							
				4	4	6							
Grey metal stone, with girdles	2	0	0										
Carried forward	2	0	0	33	3	4	Total				70	4	5

No. 877.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				52	3	11		Brought forward			59	1	11
Grey metal ...	0	3	0					Grey metal ...	1	1	3		
Strong white post ...	0	3	2					Strong white post ...	1	1	0		
Grey metal stone ...	2	3	0					Whin ...	1	0	0		
Strong grey metal stone, inclining to post ...	1	2	0					Strong post ...	0	0	10		
Grey metal ...	1	4	0					Whin ...	0	3	7		
COAL ...	0	0	10					Grey metal ...	1	0	0		
								COAL—Hutton Seam	0	4	7		
				6	4	0					5	5	3
Carried forward				59	1	11		Total ...			65	1	2

No. 878.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Sinking at Four Lane Ends, near the Ferryhill Turnpike Road.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	1	0	0					Brought forward			16	1	2
Stony clay ...	4	3	0					Fire clay ...	0	1	3		
Loose seggar ...	2	0	0					Blue plate ...	0	1	6		
COAL (worked) ...	0	2	0					Fire clay ...	0	3	0		
				7	5	0		White post ...	3	2	0		
Grey post ...	2	0	0					Blue plate ...	1	0	0		
Blue plate ...	6	0	0					Black metal ...	0	0	10		
Sound white post ...	0	1	6					COAL ...	0	2	0		
COAL ...	0	0	8								5	4	7
				8	2	2		Fire clay ...			0	0	10
Carried forward				16	1	2		Total ...			22	0	7

No. 879.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 25", Long. 1° 32' 42".

Bored in Mr. Boleby's Estate, on the South side of Thinford Lane, about 400 yards East from Skelton's House.

Approximate surface level 348 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	3	0				Brought forward	2	0	0	14	0	3
Sand, with water ...	0	3	9				Black stone ...	0	0	7			
Stony clay ...	1	5	5				COAL ...	0	0	10			
Brown and grey post	1	1	6								2	1	5
Grey metal ...	0	0	6				Blue metal ...	0	3	9			
Brown and grey post	2	1	9				Black stone ...	0	0	8			
Strong grey post ...	0	1	10				COAL ...	0	0	7			
Grey metal ...	0	1	0				Blue metal ...	0	0	4			
COAL, with water...	0	2	5				Whin and grey scamy						
				9	3	2	post, with water ...	0	4	5			
Strong grey metal							Grey scamy stone, with						
stone ...	0	1	6				post girdles ...	0	5	10			
Grey metal ...	1	3	0				A whin girdle ...	0	0	9			
Whin ...	0	0	9				Blue and grey metal	0	5	0			
Grey post, with water	0	1	6				Black stone ...	0	0	10			
Grey metal ...	2	0	4										
Blue metal ...	0	0	10				COAL ...	Ft. In.					
							Blue metal ...	0	2				
COAL ...	Ft. In.						COAL, hard	1	1				
COAL, foul...	0	8								0	2	3	
				4	3	1					4	0	5
Black stone ...	0	0	4				Grey metal ...	0	1	2			
Grey metal ...	0	1	0				Grey post ...	0	1	6			
Grey scamy post ...	0	1	6				In grey metal	1	4	0			
Grey metal ...	0	4	3								2	0	8
Grey scamy post ...	0	2	9										
Grey metal ...	0	2	2										
Carried forward	2	0	0	14	0	3	Total ...				*22	2	9

Approximate surface level 213¼ feet above sea (Ordnance datum).

No. 880.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Second Place on the South side of Thinford Lane, 200 yards from the first.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Stone and stony clay ...	7	0	0			
				7	0	0
Total ...				7	0	0

No. 881.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 57", Long. 1° 32' 48".

Thinford Borehole.—Tried in the first Field to East of East Howle Farm House, and the first to West of Mill Close Field. Bored in June, 1865.

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, and gravel	2	3	0				Brought forward	8	0	6	7	2	3
Strong blue clay ...	4	1	0				Dark metal ...	0	1	9			
Blue metal ...	0	2	2				Fire clay ...	0	0	5			
COAL, strong	0	2	1								8	2	8
				7	2	3	Strong white post,						
Fire clay ...	0	3	4				with water ...	10	0	7			
Blue metal ...	0	2	3				Blue metal ...	1	1	6			
Freestone, with water	1	2	2				Fire clay ...	0	3	6			
Soft parting ...	0	1	0				Light fire clay	0	1	8			
Grey metal ...	0	1	10				Dark fire clay	0	2	3			
Dark metal ...	0	2	0								12	3	6
Grey post ...	0	3	2				Black metal ...	0	0	7			
White post, with water	2	5	6				Fire clay ...	0	3	1			
Blue metal ...	1	3	3								0	3	8
Carried forward	8	0	6	7	2	3	Total ...				*29	0	1

* Approximate sea level 213 feet below this.

No. 882.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Sinking Account of East Howle Colliery. 1872 and 1873.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	3	3	0				Brought forward	4	1	10	10	4	0
Rubble post ...	0	3	11				Strong grey metal, with						
Marl ...	1	3	10				water ...	0	1	8			
Post ...	0	4	6				Strong grey post ...	2	4	3			
Blue metal ...	3	4	9				Black metal ...	0	3	9			
COAL — E.H. Low							White post, with water						
Main ...	0	2	0				(100 gals. per min.)	11	1	6			
				10	4	0	Blue metal ...	3	5	0			
Fire clay ...	0	4	6				Fire clay (inferior) ...	2	3	4			
Grey post ...	1	4	4				Grey post ...	0	1	0			
Black metal ...	0	2	0				Blue metal ...	0	4	9			
Fire clay ...	1	1	0				Grey and white post	1	2	6			
Fire clay and coal							Blue metal ...	3	2	0			
pipes ...	0	2	0										
Carried forward	4	1	10	10	4	0	Carried forward	31	1	7	10	4	0

No. 882.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	31	1	7	10	4	0
Dark blue metal band	0	0	9½			
COAL (<i>so-called</i> <i>Hutton Seam</i>)	...	0	2	7½		
				31	5	0
Dark fire clay	...	0	0	6		
Coarse fire clay	...	1	2	11		
Grey post	...	0	4	8		
Iron girdle	...	0	0	6		
Blue metal and post						
girdle	...	4	1	0		
COAL	...	0	0	6		
				6	4	1
Fire clay	...	0	2	8		
Grey post	...	1	2	9		
Blue metal	...	3	2	3		
Grey post	...	0	2	0		
COAL	...	0	1	6		
				5	5	2
Fire clay	...	0	0	11		
COAL	...	0	0	3		
				0	1	2
Fire clay	...	0	2	6		
Blue metal	...	0	2	9		
Post	...	0	2	4		
COAL	...	0	0	5½		
				1	2	0½
Fire clay	...	0	1	5½		
COAL	...	0	1	1		
				0	2	6½
Fire clay	...	0	1	6		
Blue metal and post						
girdles	...	3	4	6		
<i>Harvey Seam</i> (<i>so</i> <i>called</i>)—	Ft.	In.				
COAL	...	2	2			
Band	...	0	0½			
COAL	...	0	1½			
				0	2	4
				4	2	4
Carried forward				61	2	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				61	2	4
Soft fire clay	...	0	3	3		
Grey post and grey						
metal	...	2	0	0		
COAL	...	0	2	7		
				2	5	10
Coarse fire clay	...	0	2	0		
White post and metal						
partings	...	2	0	10		
White post	...	8	5	6		
Soft blue metal	...	0	3	6		
COAL	...	0	0	6		
				12	0	4
Fire clay	...	0	0	9		
Black stone	...	0	2	3		
COAL	...	0	1	4		
				0	4	4
Grey post girdle	...	0	2	0		
Blue metal	...	1	0	2		
Dark fire clay	...	0	2	6		
Blue metal	...	0	1	4		
Post	...	0	1	1		
Blue metal	...	0	1	6		
COAL	...	0	0	4		
				2	2	11
Dark fire clay	...	0	0	10		
White post	...	0	3	9		
COAL	...	0	0	7		
				0	5	2
Fire clay	...	0	1	6		
Dark grey metal and						
post girdles	...	2	4	3		
Blue metal	...	0	1	0		
Badger	...	0	0	10		
COAL — <i>Brockwell</i> <i>Seam</i>	...	0	4	2		
				3	5	9
Total	...			84	2	8

No. 883.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Boring at East Howle Colliery from below the present Seam now working, at a point
100 yards West from the Shaft.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Seggar	...	0	2	0			Brought forward	1	0	0			
White seggar, mixed							White post girdle	...	0	1	0		
with ironstone	...	0	4	0			Grey post	...	0	1	9		
Carried forward	1	0	0				Carried forward	1	2	9			

No. 883.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	9				Brought forward	18	4	3½			
Blue metal ...	0	0	8				Grey post ...	0	2	1			
Grey post ...	1	0	0				Blue metal ...	1	2	8			
Blue metal ...	0	0	8				Black metal ...	0	0	6			
Post girdle ...	0	0	4				Blue metal ...	0	5	11			
Black metal ...	0	1	5				Black metal ...	0	5	2			
Blue metal ...	0	1	1				White post ...	0	1	6			
Post girdle ...	0	0	7				Grey post ...	0	0	10½			
Blue metal ...	0	3	5				Whin ...	0	0	10			
COAL ...	0	0	1½				Grey post ...	0	1	3			
Seggar clay ...	0	1	5				Blue metal ...	0	4	11			
Blue metal ...	0	2	1				Grey post ...	0	2	8			
White post ...	1	4	10				Whin ...	0	0	4½			
Brown post ...	0	5	1				Grey post ...	0	4	10			
Grey post ...	0	3	1				White post ...	0	0	10			
Dark metal ...	0	1	4				Blue metal ...	3	2	4½			
Black metal, mixed							Dark metal ...	0	1	6			
with coal ...	0	1	2				Black metal ...	0	0	7			
Seggar ...	0	1	0				COAL ...	0	2	7½			
White post ...	0	1	3								29	3	9½
Grey post ...	0	1	0				Grey metal thill ...	0	4	1			
White post ...	6	4	9				Grey post ...	0	1	0			
Whin ...	0	0	7								0	5	1
White post ...	3	1	8										
Carried forward	18	4	3½				Total ...				30	2	10½

No. 884.—FINDON HILL.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 48' 35", Long. 1° 37' 24".

Strata of the Shaft at Findon Hill Colliery.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	2				Brought forward	17	0	0	18	2	7
Clay ...	0	4	0				Grey metal ...	1	4	0			
Soft blue metal ...	2	1	0				White post ...	1	5	0			
Whinstone ...	0	3	0				Soft stone ...	0	4	0			
Freestone ...	2	0	0				Post, with whin girdles	1	4	6			
Soft blue metal ...	3	0	10				Dark post, with black						
Shield Row Seam—							stone ...	0	4	6			
COAL ...	3	5					Dark blue metal ...	4	0	0			
Seggar stone	0	8					Black stone, with coal	0	3	6			
COAL ...	0	6					Grey metal, with post						
							girdles ...	2	2	2			
				9	2	7	White post, with blue						
Dark thill stone ...	1	0	0				partings ...	3	1	0			
Strong grey metal ...	7	4	0				Blue metal ...	0	3	8			
COAL—5/4 Seam ...	0	2	0				White post ...	7	0	0			
				9	0	0	COAL, good—Main						
Strong grey metal,							Coal Seam ...	0	3	0			
with post ...	17	0	0								41	5	4
Carried forward	17	0	0	18	2	7	Carried forward				60	1	11

No. 884.—FINDON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				60	1	11	Brought forward	2	3	5	60	1	11
Black stone ...	0	0	2				Strong grey metal ...	0	1	6			
Strong seggar ...	1	3	3				Post ...	0	3	0			
White post ...	1	0	0								3	1	11
Carried forward	2	3	5	60	1	11	To bottom of Sump				*63	3	10

The pumping pit has since been sunk to the *Brass Thill Seam*, 2 fathoms lower.

* Approximate sea level 118 feet below this.

No. 885.—FISHBURN.

TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat. , Long.

Account of the Boring in Colonel Beckwith's Property, near Fishburn, in the High Croak Land.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	4	0	5	48	1	3
Marly limestone, with very hard beds (a little water at 15 fathoms and a little more at 19 fathoms 3 feet) ...	23	5	6				Grey metal ...	1	0	0			
Strong white limestone ...	3	4	0				White post ...	0	3	9			
Gullety limestone ...	1	1	0				Whin ...	0	0	6			
Limestone, not very strong, with water at 32 fathoms 2 feet and a little at other places ...	9	3	0				White metal ...	0	2	6			
Marl ...	0	3	0				COAL, foul ...	0	0	5			
Gullety limestone ...	1	2	0								6	1	7
Strong limestone, with water ...	6	5	0				Grey metal stone, with post girdles ...	1	1	2			
Grey metal stone ...	0	1	7				White post, mixed with whin ...	2	4	3			
White limestone, with water ...	0	5	8				COAL, foul ...	0	0	5			
				48	1	3					3	5	10
Grey metal, with girdles ...	1	0	7				Grey metal, scared with coal ...	0	2	0			
Whin ...	1	2	0				White and red post ...	6	3	0			
White post, mixed with whin ...	0	2	7				Metal parting ...	0	0	3			
Red and grey post ...	0	1	7				Grey post ...	0	2	4			
White post ...	0	5	8				COAL ...	0	0	6			
Carried forward	4	0	5	48	1	3					7	2	1
							White post, with coal pipes ...	0	0	6			
							White post ...	0	0	10			
							COAL (burns to red ashes) ...	0	1	0			
											0	2	4
							Into grey metal stone (left off Aug. 11th, 1846) ...				0	2	0
							Total ...				66	3	1

No. 886.—FISHBURN.

TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat. , Long.

Strata bored through in the third Hole in Fishburn Estate, in Miss Chilton's Quarry, nearly one mile East of Colonel Beckwith's Boring, by George Stott. September 7th, 1837.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown limestone, with marly partings and water at 13 fathoms 3 feet from the top	34	3	6				Brought forward	6	5	10	50	2	4
Very white limestone	7	5	6				Grey metal and metal stone, with post girdles	2	0	10			
Brown limestone	1	3	0				White post, mixed with whin	0	5	9			
Strong white limestone, with water (bored through, April 20th, 1839)	0	2	0				Grey metal	0	3	6			
				44	2	0	Black metal	0	1	0			
Blue stone, with much water	0	1	0				Grey metal, with whin girdles	1	2	0			
Whin	0	0	6				Black metal	0	0	8			
Strong grey post	0	2	3				Grey metal, with girdles	0	2	3			
Grey metal	0	4	0				Dark metal, with scares of coal	0	0	6			
Red, blue, and grey metal stone, with girdles	2	3	0				Grey metal, with water	2	1	0			
Strong grey post	0	3	0				Whin (got June 13th, through June 18th)	0	0	9			
Grey metal	1	0	9				Strong grey metal stone, with girdles	1	3	4			
Black metal	0	1	3				White post, mixed with whin	0	1	10			
							Grey post	0	1	0			
COAL, foul	0	6					Dark metal	0	1	6			
Grey metal	0	2					Black metal	0	1	2			
COAL, foul	0	4					Grey and white post	0	1	3			
COAL, rather foul	0	8					Grey metal stone	0	3	0			
Grey metal band	0	1					Grey post	0	0	6			
COAL	0	10					Grey metal stone	1	2	0			
				6	0	4	Black metal	0	0	3			
Grey metal, with post girdles	0	5	0				Supposed 5/4 Seam—						
Red post	1	0	0				COAL, foul	0	7				
Whin (got May 3rd, through May 8th)	0	1	2				COAL	1	4				
Strong red post	0	2	6				COAL, foul	0	4				
Whin	0	0	6				COAL, hard	2	8				
Red and grey post	0	3	0							0	4	11	
Grey metal, with whin girdles	2	1	8										20 2 10
White post, with metal partings and whin girdles	1	4	0				Grey metal stone	1	5	0			
							Whin (got July 10th, through July 20th)	0	1	6			
Carried forward	6	5	10	50	2	4	Grey metal stone	0	3	9			
							COAL, foul	0	0	8			
							Grey metal, with girdles	2	4	6			
							COAL	0	0	6			
							Carried forward	5	3	11	70	5	2

No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	5	3	11	70	5	2		Brought forward	3	2	7	103	5	11
Black metal ...	0	0	8					Grey metal ...	0	1	2			
Dark grey metal ...	0	4	0					COAL , foul ...	0	0	8			
Grey post ...	1	4	0					Light grey metal, with						
COAL ...	0	0	4					scars of <i>coal</i> ...	0	1	10			
Grey metal ...	2	1	7					Black metal ...	0	1	5			
Hard girdle ...	0	0	3					COAL , foul ...	0	0	10			
Grey metal stone ...	0	1	0					Grey metal ...	0	4	11			
Whin (got Aug. 29th,								COAL , foul ...	0	0	10			
through Sept. 4th)	0	1	4					Grey metal ...	0	3	3			
Strong white post,								COAL , foul ...	0	0	4			
with metal partings	0	4	5					Grey metal ...	0	1	0			
White post, mixed with								Strong grey post, with						
water ...	0	3	4					thin girdles and						
Red and grey post ...	3	1	6					metal partings ...	1	3	10			
White post ...	0	3	8					Strong white post ...	1	1	11			
COAL , strong ...	0	2	5					Grey metal ...	0	5	2			
				16	2	5		COAL , good } ...	0	2	7			
Strong grey metal								COAL , foul } *	0	0	3			
stone ...	1	1	0					Grey metal, with whin						
White post ...	0	4	0					girdles ...	0	5	6			
Grey metal stone ...	1	0	9								11	2	1	
COAL ...	0	1	6											
				3	1	3								
Grey metal stone ...	3	2	6											
Dark blue metal ...	0	1	6											
<i>Supposed Main Coal</i>														
<i>Seam—</i> Ft. In.														
COAL , good 2 4														
COAL , coarse 1 2														
	0	3	6											
Grey metal stone ...	1	5	0											
	0	4	3											
				6	4	9								
<i>Bored by William</i>														
<i>Coulson:—</i>														
Strong white post, with														
metal partings ...	2	1	0											
Black metal, with some														
scars of <i>coal</i> ...	0	0	10											
Grey metal ...	0	5	0											
Black metal, with														
scars of <i>coal</i> ...	0	1	0											
Strong white post ...	2	0	0											
Strong white and grey														
post, with metal														
partings ...	1	2	6											
				6	4	4								
Blue metal ...	0	3	10											
Black metal, with														
scars of <i>coal</i> ...	0	0	6											
Grey metal ...	0	5	8											
Strong white post ...	0	1	9											
Grey metal ...	0	2	4											
Whin ...	0	1	0											
Strong white post ...	0	2	0											
Strong grey metal ...	0	2	6											
Black metal, mixed														
with <i>coal</i> ...	0	1	0											
Carried forward	3	2	7	103	5	11		Carried forward	1	3	7½	126	1	7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	7	103	5	11
Grey metal ...	0	1	2			
COAL , foul ...	0	0	8			
Light grey metal, with						
scars of <i>coal</i> ...	0	1	10			
Black metal ...	0	1	5			
COAL , foul ...	0	0	10			
Grey metal ...	0	4	11			
COAL , foul ...	0	0	10			
Grey metal ...	0	3	3			
COAL , foul ...	0	0	4			
Grey metal ...	0	1	0			
Strong grey post, with						
thin girdles and						
metal partings ...	1	3	10			
Strong white post ...	1	1	11			
Grey metal ...	0	5	2			
COAL , good }	0	2	7			
COAL , foul }	0	0	3			
Grey metal, with whin						
girdles ...	0	5	6			
				11	2	1
August 24th, 1840.—						
Bored further by						
George Stott:—						
Strong grey metal						
stone ...	0	2	6			
Soft grey post ...	0	5	3			
Grey metal ...	0	1	4			
Post girdle ...	0	0	4			
Black metal, mixed						
with <i>coal</i> ...	0	0	7			
Dark grey metal ...	0	1	6			
Grey post ...	0	5	2			
Whin (got Oct. 7th,						
through Oct. 28th)	0	1	7			
Grey post ...	1	3	4			
Dark grey metal and						
metal stone ...	1	0	6			
Grey post, with metal						
stone partings ...	1	0	2			
Strong white post,						
mixed with whin ...	0	2	8			
Grey post ...	0	5	6			
Whin ...	0	1	1			
Grey metal parting ...	0	0	6			
Strong white post ...	0	3	4			
Dark grey metal, with						
post girdles ...	1	5	0			
Black metal ...	0	0	5			
Strong girdles ...	0	0	3			
COAL ...	0	0	7			
				10	5	7
Grey metal and metal						
stone, with thin post						
girdles ...	1	1	0			
Dark metal ...	0	2	2			
Black metal ...	0	0	1			
COAL ...	0	0	4½			
Carried forward	1	3	7½	126	1	7

* Supposed to be incorrect.

No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	7½	126	1	7
Grey metal ...	0	5	5			
COAL ...	0	0	7			
				2	3	7½
Grey metal ...	0	0	8			
Grey and white post...	0	2	6			
White post, mixed						
with whin ...	0	1	5			
White post ...	0	1	5			
Whin ...	0	0	6			
White post, mixed						
with whin...	0	0	4			
Grey metal parting ...	0	0	3			
Whin ...	0	0	5			
Dark grey post ...	0	4	3			
				1	5	9
Whin ...	0	1	3			
Strong dark grey me-						
tal stone ...	0	2	10			
Whin girdle ...	0	0	6			
Dark grey metal stone,						
mixed with post ...	1	0	6			
Dark metal ...	0	3	6			
Carried forward	2	2	7	130	4	11½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	7	130	4	11½
Whin girdle ...	0	0	4			
Grey post ...	0	2	6			
Grey metal stone ...	0	2	5			
Grey metal ...	0	1	2			
White post, mixed						
with whin ...	0	1	6			
				3	4	6
Grey post, with metal						
stone partings ...	0	3	10			
COAL , rather foul...	0	0	7			
Grey metal ...	0	2	3			
Whin ...	0	0	4			
Dark metal, with post						
girdles ...	1	3	10			
Dark metal, mixed						
with coal ...	0	0	7			
				2	5	5
COAL , with sulphur	0	1	0			
Grey metal, mixed with						
coal ...	0	1	6			
In white post ...	0	1	10			
				0	4	4
Total ...				138	1	2½

No. 887.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

Account of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold (about)				13	5	3
Box	4	0	0			
Stony clay	6	1	6			
Soft brown ramble, {	0	5	3			
with water ... {	1	1	9			*
Soft blue grey metal	1	3	0			
Soft black metal ...	0	2	3			
				14	1	9
Black stone	0	0	6			
Soft black metal, with a mixture of <i>coal</i> ...	0	3	0			
Soft grey metal ...	1	2	3			
Strong red and grey scamy metal ...	0	3	6			
Carried forward	2	3	3	28	1	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	3	28	1	0
White post, with red- dish scamy metal partings and water	8	0	0			
Black metal, mixed with <i>coal</i>	0	0	4			
Red scamy metal, with girdles and water...	1	1	0			
Green scamy metal stone	1	0	0			
Blue metal	0	4	0			
Black stone	0	0	9			
Grey metal	0	1	6			
Grey metal stone ...	1	2	4			
COAL , foul... ..	0	0	6			
Carried forward	15	1	8	28	1	0

* Approximate sea level (Ordnance datum).

No. 887.—FLATWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	1	8	28	1	0	Brought forward	2	2	8	55	3	7
Greenish blue metal							White post, with mix-						
stone, with metal							ture whin girdles...	0	5	0			
partings ...	4	5	0				Grey metal stone ...	1	2	0			
Whin lump ...	0	0	4				COAL , foul...	0	0	5			
Grey metal ...	1	2	9				Grey metal ...	0	3	6			
Blue and black metal	0	4	3				Greenish metal stone	1	3	0			
COAL , foul ...	0	0	3				Blue metal ...	0	3	0			
Grey and greenish							Whin ...	0	0	4			
metal ...	0	4	0				Grey metal ...	0	1	6			
Whin ...	0	3	0				Black metal, with						
Greenish grey metal							scares of <i>coal</i> ...	0	1	0			
stone ...	2	4	0				Blue metal ...	0	1	0			
Grey and white post,							COAL ...	0	0	6			
with scamy partings	0	5	8				Black stone ...	0	0	2			
Grey metal stone ...	0	0	4				COAL ...	0	0	3			
COAL ...	0	0	11								8	0	4
Blue grey metal ...	0	0	2				Green and greenish						
Black danty metal,							metal stone ...	0	2	0			
mixed with <i>coal</i> ...	0	0	3				In white post ...	0	0	3			
				27	2	7					0	2	3
Grey metal ...	0	0	6				Total ...				64	0	2
Grey metal stone ...	0	4	6										
Black and blue metal	0	1	0				N.B.—Rods measured						
Grey metal and metal							by M. Hall ...				50	1	3
stone ...	1	2	8				Sinking ...				13	5	3
Carried forward	2	2	8	55	3	7	Total ...				64	0	6

No. 888.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 15", Long. 1° 29' 19".

Account of Strata bored through in No. 1 Hole at the West end of High Flatworth Lane. Begun July 1st, 1816; finished July 20th, 1816.

Approximate surface level 142 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	0	3			
Brown gravelly clay...	1	1	0				Blue gravelly clay ...	0	1	0			
Sand, with water ...	0	2	6				Sand, with water ...	0	3	0			
Sand, with clay and							Blue gravelly clay ...	11	3	6			
water ...	0	4	6				Grey metal ...	0	0	10			
Blue gravelly clay ...	0	4	6				Blue gravelly clay ...	5	0	5			
Sand, clay, and gravel	0	2	0					1	4	6			*
Gravel and clay ...	0	1	0				Brownish grey metal	1	0	6			
Whin tumblers ...	0	1	0				Black metal ...	0	2	6			
Blue gravelly clay ...	1	5	6				Left off in grey metal						
Sand and gravel ...	0	1	3				(July 20th, 1816)...	0	1	6			
											27	0	0
Carried forward	6	0	3				Total ...				27	0	0

* Approximate sea level (Ordnance datum).

No. 889.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 16", Long. 1° 29' 16".

Account of Strata bored through in No. 2 Hole at High Flatworth, 50 yards North-east from the first. Begun July 22nd, 1816; finished August 13th, 1816.

Approximate surface level 143 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	4	5	9			
Brown clay	0	5	9				Blue gravelly clay ...	1	1	8			
Sand and water	0	3	4				Sand and clay	0	0	10			
Blue gravelly clay	0	4	0				Blue gravelly clay ...	2	5	9			
Sand	0	1	2				Whin tumbler	0	1	10			
Blue gravelly clay	0	4	3				Blue gravelly clay {	14	1	4			
Sand	0	0	10					0	1	2			*
Leafy clay	0	2	6				Dry sand	0	2	8			
Blue gravelly clay	0	5	8				Brownish grey metal						
Sand	0	1	3				stone	0	4	6			
											25	1	6
Carried forward	4	5	9				Total				25	1	6

* Approximate sea level (Ordnance datum).

No. 890.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 17", Long. 1° 29' 19".

Account of Strata bored through in No. 3 Hole at High Flatworth, 45 yards North-west from No. 2 Hole. Begun August 5th, 1816; finished August 13th, 1816.

Approximate surface level 145 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	6	0	0			
Brown gravelly clay...	1	1	8				Sand	0	0	10			
Sand and water	0	1	10				Blue gravelly clay ...	16	3	0			
Blue gravelly clay	0	1	6				Dry sand and broken						
Sand and water	0	0	9				post	1	0	6			
Blue gravelly clay	1	3	6				Black metal	0	1	0			
Leafy sand and clay...	0	3	6				Left off in grey metal	0	0	6			
Blue gravelly clay	1	4	3								23	5	10
Carried forward	6	0	0				Total				*23	5	10

* Approximate sea level 1½ feet below this.

No. 891.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. _____, Long. _____

No. 1 Boring, made at top of Bank, at Flatworth Shore and Hayhole. Borehole East of Saugh House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	1				Brought forward	3	1	2			
Yellow clay	1	0	5				Very strong dark						
Dark brown clay, with							brown clay, mixed						
blue and sandy							with pebbles ...	0	4	6			
partings	0	2	6								3	5	8
Leafy clay, intermixed							Dark brown clay, very						
with sand	1	0	9				fine and tough ...	3	4	8			
Loose sand and gravel	0	2	5				Sand and water, mixed	0	3	2			
											4	1	10
Carried forward	3	1	2				Total				8	1	6

No. 892.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. _____, Long. _____

No. 2 Borehole, West of West Gears of Blyth and Tyne Railway Company's East Shipping Places.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	4	3	6	5	0	0
Pebbly yellow clay ...	1	1	4				Sand	0	1	3			
Strong dark brown							Leafy clay	0	3	3			
clay	3	3	8								5	2	0
				5	0	0	Sand and leafy clay...	0	1	3			
Dark brown clay, with							Sand, with water ...	1	2	9			
tumblers	3	3	2								1	4	0
Soft brown and light													
brown clay	1	0	4				Total				12	0	0
Carried forward	4	3	6	5	0	0							

Left off in sand, the hole having closed.

No. 893.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 3 Borehole, near Farm House, at Hayhole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	2				Brought forward	2	4	9			
Yellow clay, with tumblers	0	3	4				Strong dark brown clay, with tumblers	3	2	0			
Strong dark brown pebbly clay	1	1	6				Dark brown clay, with sandy partings ...	1	2	6			
Sand	0	2	1				Dark brown leafy clay	2	1	6			
Strong dark brown clay	0	1	2				Sand	0	2	8			
Blue clay, with a mix- ture of sand	0	1	6										
Carried forward	2	4	9				Total				10	1	5

No. 894.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

No. 4 Borehole, near Sadler's Tile Works.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish and clay ...	0	5	0				Brought forward	5	1	2			
Dark brown clay, with tumblers and pebbles	2	4					Pebbly dark brown clay	1	3	0			
Sand and gravel ...	0	0	6				Light brown clay ...	2	0	7			
Strong and pebbly dark brown clay ...	1	0	3				Leafy clay	0	2	7			
Sand, with gravel and water	0	2	11								9	1	4
Carried forward	5	1	2				Total				9	1	4

No. 895.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.*Sections of Boreholes in Flatworth Farm.* (MEM.—Field in hard corn.)

Approximate surface level feet above sea (Ordnance datum).

No. 1 Hole.

					Fs.	Ft.	In.	Fs.	Ft.	In.
In strong blue clay	...	...	...	...				<u>4</u>	<u>3</u>	<u>0</u>

No. 896.

No. 2 Hole.

Strong blue clay, with a sipping of water	...				3	3	0			
In strong blue clay	...	...	...	...	1	3	0			
								<u>5</u>	<u>0</u>	<u>0</u>

No. 897.

No. 3 Hole.

Brown and blue clay	...	...	...	...	2	0	0			
Sand, with a little water, which rose slowly to within 20 inches of surface	...	...	...	...	0	1	1			
In strong blue clay	...	...	...	...	0	2	0			
								<u>2</u>	<u>3</u>	<u>1</u>

No. 898.

No. 4 Hole.

Strong blue clay	...	...	...	...	2	0	3			
Whin boulder	...	...	...	...	0	0	9			
In blue clay	...	...	...	...	2	3	6			
								<u>4</u>	<u>4</u>	<u>6</u>

No. 899.

No. 5 Hole.

Sandy clay and sipings of water	...	...	...	...	2	3	0			
In strong blue clay	...	...	...	...	0	5	6			
								<u>3</u>	<u>2</u>	<u>6</u>

No. 900.

No. 6 Hole.

Brown and blue clay	...	...	...	...	2	2	10			
Sand and a little water	...	...	...	...	0	0	8			
In strong blue clay	...	...	...	...	0	1	0			
								<u>2</u>	<u>4</u>	<u>6</u>

No. 901.

No. 7 Hole.

In brown and blue clay	...	...	...	...				<u>4</u>	<u>0</u>	<u>0</u>
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No. 902.—FLATWORTH.—CONTINUED.

*No. 8 Hole.**

					Fs.	Ft.	In.	Fs.	Ft.	In.
Clayey sand	...	...	...	...	0	5	6			
Sand, with water	...	...	...	...	0	0	6			
In blue clay	...	...	...	...	0	1	0			
								<u>1</u>	<u>1</u>	<u>0</u>

No. 903.

No. 9 Hole.

Sandy clay	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	4	0			
								<u>1</u>	<u>3</u>	<u>0</u>

No. 904.

No. 10 Hole.

Sandy clay	...	...	...	...	0	2	0			
In blue clay	...	...	...	...	0	2	0			
								<u>0</u>	<u>4</u>	<u>0</u>

No. 905.

No. 11 Hole.

Clayey sand	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	1	0			
								<u>1</u>	<u>0</u>	<u>0</u>

No. 906.

No. 12 Hole.

Sand and water	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	2	0			
								<u>1</u>	<u>1</u>	<u>0</u>

No. 907.

No. 13 Hole.

Sand and water	...	...	...	...	0	4	0			
In blue clay	...	...	...	...	0	3	0			
								<u>1</u>	<u>1</u>	<u>0</u>

No. 908.

No. 14 Hole.

In blue clay	...	...	...	...				<u>1</u>	<u>4</u>	<u>6</u>
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No. 909.

No. 15 Hole.

Sandy clay	...	...	...	...	0	3	0			
In blue clay	...	...	...	...	0	4	0			
								<u>1</u>	<u>1</u>	<u>0</u>

No. 910.

No. 16 Hole.

Sandy clay	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	2	0			
								<u>1</u>	<u>1</u>	<u>0</u>

* No. 8 Hole was the first hole in which water was found to the least extent. The water came to the surface, but in no great quantity.

No. 911.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Boring Account of Engine Pit, at Flatworth.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to bottom of 2nd set Bunton ...				59	3	6	Brought forward	5	1	6	71	2	0
Grey metal stone ...	2	2	10				COAL , foul—70 <i>Fa-</i>						
Dark grey metal ...	1	4	6				<i>thoms Coal</i> ...	0	1	2			
Whin ...	0	0	6								5	2	8
Dark grey metal, with girdles ...	1	5	0				Grey thill ...	0	1	1			
Dark blue metal ...	1	1	0				Grey post ...	1	2	9			
Grey metal ...	0	5	0				Grey metal stone ...	0	4	0			
Whin ...	0	1	6				White post ...	7	4	0			
Grey metal, with whin girdles ..	1	0	8				Black stone ...	0	1	9			
Post girdles ...	1	2	6				Grey metal, with gir-	1	5	3			
Grey metal stone ...	0	3	9				dles ...	1	2	0			
Grey metal stone, with coal ...	0	1	3	11	4	6	Grey metal stone ...						
Grey metal ...	0	1	6				White post, mixed in	6	1	0			
Scamy white post ...	1	2	6				parts with whin ...	0	5	0			
Grey metal, with gir-	0	5	0				Whin ...						
dles ...	0	0	8				White post (3rd set	3	1	0			
Black stone ...							intended here) ...	0	0	5			
Grey metal, with gir-	2	3	10				Black stone ...	0	3	2			
dles ...							Grey metal ...	0	5	0			
Carried forward	5	1	6	71	2	0	In white post (and				25	0	5
							lost rods) ...						
											101	5	1
							Total ...						

No. 912.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sinking Account of last Borehole, Engine Pit, Flatworth.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk formerly ...				51	3	0	Brought forward				59	0	11
White post ...	3	4	6				Grey metal ...	0	0	4			
Brown metal stone ...	1	2	0				Dark grey metal ...	0	1	3			
Blue metal, with post girdles ...	2	2	11				COAL (bottom or 2nd						
COAL ...	0	0	6	7	3	11	set Bunton) ...	0	1	0	0	2	7
Carried forward				59	0	11							
							Carried forward				59	3	6

No. 912.—FLATWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				59	3	6	Brought forward	7	4	10	59	3	6
Grey metal stone ...	2	2	10				White post ...	0	1	6			
Dark grey metal ...	1	4	6				Blue stone, with post						
Whin ...	0	0	6				girdles ...	0	5	10			
Dark grey metal, with							COAL , mixed with						
girdles ...	1	5	0				black stone ...	0	1	3			
Dark blue metal ...	1	1	0								9	1	5
Grey metal ...	0	3	0										
Carried forward	7	4	10	59	3	6	Total ...				68	4	11

No. 913.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 41", Long. 1° 28' 31".

Sinking Account of New Pit, Flatworth Colliery.

Approximate surface level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				0	5	0	Brought forward	1	1	6	13	2	10
Clay ...	2	4	0				Dark grey metal stone,						
Post girdles ...	0	1	6				with black stone in						
Dark grey metal stone	1	1	6				sundry places ...	2	5	6			
Black stone ...	0	3	0				COAL ...	0	1	0			
Black stone, mixed											4	2	0
with catheads ...	0	1	0				Grey thill ...	0	4	0			
Brown post ...	6	3	6				Dark grey metal, with						
Grey metal ...	1	1	0				post girdles ...	0	4	6			
COAL ...	0	0	4				Brown post— <i>Main</i>						
				12	3	10	<i>Post</i> ...	7	1	8			
Grey metal ...	0	3	0				COAL ...	1	1	0			
Post girdles ...	0	4	6								9	5	2
Carried forward	1	1	6	13	2	10	Total ...				*27	4	0

* Approximate sea level 14 feet below this.

No. 914.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. , Long. *Account of Strata bored through at Fleetham, near North Sunderland. 1857.
No. 1 Hole.*

Approximate surface level about 100 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	1	0	6				Brought forward		9	4	3			
COAL	...	0	0	6					Ft. In.						
Grey metal	...	7	4	0				COAL , good	1	1					
Limestone	...	0	5	0				Metal	...	0	4				
Grey metal, mixed								COAL , slaty	0	10					
with coal	...	0	0	3							0	2	3		
								Into grey metal stone			0	3	0		
													10	3	6
Carried forward		9	4	3				Total	...				10	3	6

No. 915.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. , Long. *No. 2 Hole at Fleetham, near North Sunderland.*

Approximate surface level about 100 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	...	1	1	6				Brought forward		9	3	10			
Metal	...	7	1	6					Ft. In.						
Limestone	...	1	0	6				COAL	...	1	3				
Metal	...	0	0	4				Metal	...	0	3				
								COAL	...	0	11				
											0	2	5		
								Into metal	...		0	1	0		
													10	1	3
Carried forward		9	3	10				Total	...				10	1	3

No. 916.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. , Long.

No. 3 Hole at Fleetham, near North Sunderland.

Approximate surface level about 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	5	0				Brought forward	14	0	11			
Limestone	3	1	0				Metal	3	3	6			
Metal	1	3	0				Limestone	1	1	6			
Post	0	3	0				Metal	0	3	9			
Metal	2	1	6				COAL	0	0	4			
COAL	0	0	8				Into metal	0	0	11			
				8	2	2							
Metal	2	0	0								5	4	0
Post	3	3	0										
Metal	0	1	0										
COAL	0	0	9										
				5	4	9							
Carried forward				14	0	11	Total				19	4	11

No. 917.—FOLLEY HILL.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through at the Folley Hill, in George Silvertop's Grounds, about 260 yards South of the Wagonway. July 26th, 1811.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Dry sand and gravel, sunk into ...	7	2	0			
Water, running sand, gravel, and a great quantity of tum- bling stones ...	1	3	0			
Strong clay and tum- bling stones ...	6	2	5			
Soft black metal stone	0	1	11			
COAL , black danty, good for nothing (<i>supposed an Onput Seam of Coal</i>) ...	0	3	4½			
				16	0	8½
Soft thill and black metal stone ...	0	2	4			
COAL , black danty, as above ...	0	0	4			
Carried forward	0	2	8	16	0	8½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	2	8	16	0	8½
Black stone, mixed with scares of <i>coal</i>	0	4	10			
COAL , soft black danty, as above ...	0	2	0			
				1	3	6
[It appears that the above metals are all put on above the <i>Main Coal</i> .]						
Soft thill ...	0	4	0			
Strong white post ...	1	1	2			
Soft black metal ...	1	1	8			
Soft black metal, mixed with <i>coal</i> <i>pipes</i> ...	0	0	10			
Very soft thill ...	1	0	2			
Carried forward	4	1	10	17	4	2½

No. 917.—FOLLEY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	10	17	4	2½
Strong white post (fit to build a wall upon)	3	1	5			
COAL, soft danty, as above ...	0	0	5			
Soft thill, mixed with metal stone ...	0	1	1			
Soft metal stone ...	0	5	1			
Blue metal stone, mixed with whin girdles 3 or 4 inches thick ...	0	2	6			
Strong dun whin, very hard ...	0	0	10			
White post ...	0	1	4			
COAL, rather strong, might be worked in hardness (supposed Main Coal) ...	0	1	8	9	4	2
Thill and soft blue metal stone ...	0	3	0			
COAL, soft danty, good for nothing ...	0	0	2			
Soft blue stone ...	0	1	3			
Strong white post, with grey girdles ...	1	2	8			
Cash parting...	0	0	2			
Strong white post ...	1	4	8			
Cash parting...	0	0	2			
Strong white post, with whin girdles...	1	2	11			
Cash parting...	0	0	3			
Carried forward	5	3	3	27	2	4½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	3	27	2	4½
Very strong white post, with whin ...	2	0	4			
Cash parting...	0	0	2			
Very strong white and grey girdles ...	1	0	3			
Soft black —	0	1	3			
Thill and grey metal	1	1	5			
Soft grey metal, with grey girdles ...	0	4	5			
Very soft blue metal stone ...	1	3	9			
COAL (supposed Crow Coal) ...	0	1	7	12	4	5
Soft thill ...	0	3	8			
Soft blue stone, with ironstone ...	0	3	3			
Soft black danty stuff	0	0	6			
Soft thill danty stuff	0	0	3			
Supposed 5¼ Seam—						
COAL, soft thill danty	0	4				
Soft band ...	0	5				
COAL, soft danty, good for nothing	0	6				
COAL, rather strong ...	2	1		0	3	4
Blue metal and grey girdles (not through)						
Total ...				42	4	11½

No. 918.—FORD.

TOWNSHIP OF FORD, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 37' 59", Long. 2° 4' 14".

Section of Strata sunk through at Ford Colliery. Measured by J. Patrick. 1817.
Approximate surface level about 345 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface and freestone	13	4	1				Brought forward	0	5	4	15	4	10
Metal ...	0	3	0				Dent ...	0	0	6			
Freestone tills ...	0	5	6				COAL—Black Hill Seam ...	0	3	0	1	2	10
Metal ...	0	1	6				Dent ...	0	0	5			
Freestone ...	0	1	6				Freestone ...	0	0	7			
Metal ...	0	1	0				Metal ...	0	1	0			
COAL ...	0	0	3	15	4	10	Limestone ...	0	0	6			
Metal ...	0	2	0				Dent ...	0	0	8			
Limestone ...	0	3	4				Freestone ...	0	1	8			
Carried forward	0	5	4	15	4	10	Metal ...	0	0	3			
							Carried forward	0	5	1	17	1	8

No. 918.—FORD.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			0	5	1	17	1	8	Brought forward			1	0	10	25	3	0½
Freestone	...	...	0	0	6				Limestone	...	...	0	1	0			
COAL	...	...	0	0	9				COAL	...	...	0	0	1			
						1	0	4							1	1	11
Metal	...	...	0	1	6				Mawkre	...	...	0	0	2			
Freestone	...	...	0	2	0				Metal	...	...	0	3	3			
COAL	...	...	0	0	3				Freestone	...	...	0	0	1½			
						0	3	9	Metal	...	...	0	1	2½			
Tills	...	...	0	4	9				Freestone	...	...	0	0	2			
COAL	...	...	0	0	9				COAL	...	...	0	0	7			
						0	5	6							0	5	6
Dent	...	...	0	1	6				Dent	...	...	0	0	9			
COAL	...	...	0	2	1				COAL	...	...	0	0	5			
						0	3	7							0	1	2
Tills	...	...	0	3	0				Mawkre	...	...	0	0	1			
COAL	...	...	0	0	4				COAL	...	...	0	0	3			
						0	3	4							0	0	4
Metal	...	...	0	0	1				Tills	...	...	0	1	11			
Limestone	...	...	0	1	4				Limestone	...	...	0	0	3			
Tills	...	...	0	1	5				Tills	...	...	0	0	7½			
Freestone	...	...	0	0	9				COAL	...	...	0	0	1			
Tills	...	...	0	0	7										0	2	10½
Limestone	...	...	0	0	4				Chalk stone	...	...	0	0	1			
Tills	...	...	0	0	4				COAL	...	...	0	0	2			
Dent	...	...	0	0	3										0	0	3
Tills	...	...	0	0	9				Metal	...	...	0	2	0			
COAL	...	...	0	0	4				Freestone	...	...	2	1	0			
						1	0	2	Metal	...	...	0	0	1			
Metal	...	...	0	2	3				Freestone	...	...	0	2	0			
COAL	...	...	0	0	3				COAL	...	...	0	0	3			
						0	2	6							2	5	4
Metal	...	...	0	1	0				Metal	...	...	0	3	6			
COAL	...	...	1	1	0				Tills	...	...	0	3	4			
						1	2	0	COAL	...	...	0	0	9			
Chalk stone	...	...	0	0	1										1	1	7
COAL	...	...	0	1	3				Freestone	...	...	0	2	0			
						0	1	4	COAL	...	...	0	0	6			
Metal	...	...	0	0	7										0	2	6
COAL	...	...	0	1	0												
						0	1	7	Metal	...	...	0	0	3			
Chalk stone	...	...	0	0	1½				Freestone	...	...	1	1	0			
COAL	...	...	0	0	8				COAL	...	...	0	0	3			
						0	0	9½							1	1	6
Metal	...	...	0	1	6				Tills	...	...	1	3	6			
COAL	...	...	0	0	6				Metal	...	...	0	2	3			
						0	2	0	Limestone	...	...	0	0	7			
Dent	...	...	0	0	3				Tills	...	...	0	3	6			
COAL	...	...	0	0	6				Metal	...	...	0	4	6			
						0	0	9	Freestone	...	...	2	3	0			
Tills	...	...	0	3	0				COAL	...	...	0	0	10			
COAL	...	...	0	0	9				Limestone	...	...	0	1	0			
						0	3	9	COAL	...	...	0	1	0			
Limestone	...	...	0	3	10				Mawkre	...	...	0	0	1½			
Tills	...	...	0	0	10				COAL	...	...	0	1	0			
Freestone	...	...	0	0	7										6	3	3½
Freestone	...	...	0	1	7												
Carried forward			1	0	10	25	3	0½	Total						*40	5	4½

* Approximate sea level about 97 feet below this.

No. 919.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. About Lat. 55° 37' 40", Long. 2° 3' 15".

No. 1 Hole, bored at Ford, on the North-west side of the Brown (or Broom) Ridge Hill.

Approximate surface level about 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand, with a siping of water ...	0	3	6				Brought forward	7	0	0			
Brown and blue stony clay ...	0	3	0				A soft white sandy parting ...	0	0	7			
White clay ...	0	3	0				Strong red sandy post, with grey scames...	0	4	6			
Grey sandy ramble ...	0	2	6				In brown and grey sandy post...	2	1	6			
Grey metally stone, with brown scamy partings ...	2	0	0								10	0	7
Brown and red sandy stone, with grey sandy partings ...	3	0	0										
Carried forward	7	0	0				Total ...				10	0	7

No. 920.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 2 Hole, 110 yards from the first, and outset 7 fathoms of level.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	1	0	0			
In brown and grey sandy post ...	1	3	0			
				2	3	0
Total ...				2	3	0

No. 921.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 3 Hole, 50 yards from the second, and about 2 fathoms level outset.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	5	0				Brought forward	4	3	9			
Brown clay ...	0	3	0				Rotten blackish brown						
Sand, with water ...	0	3	0				and grey open post,						
Brown sandy stone ...	0	0	9				and set away the						
Brown, red, and grey							water at the top ...	2	0	0			
sandy stone, with							Blue and grey metal,						
water ...	0	5	0				with mixture whin						
Blue and grey metally							girdle or lumps ...	1	1	6			
stone ...	0	3	0				Red post ...	0	3	0			
Black metal ...	0	0	6				Brown and red post...	0	2	0			
Blue, grey, and brown							Red post ...	1	2	0			
metally stone, with							Soft brown post (set						
a coal pipe, or scared							away the water) ...	0	3	0			
with coal at bottom	1	0	0				In soft red and brown						
Grey post ...	0	1	6				scamy post ...	1	3	0			
											12	0	3
Carried forward	4	3	9				Total ...				12	0	3

No. 922.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 4 Hole, 130 yards to the South-west from the third, and about 3 fathoms level outset.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	2	3				Brought forward	1	5	0			
Red stony clay ...	0	2	6				Dun metally stone ...	0	0	6			
Grey sandy stone ...	0	0	9				In brown and red						
Blackish brown stone	0	1	0				scamy post ...	0	1	4			
Red post ...	0	4	6								2	0	10
Carried forward	1	5	0				Total ...				2	0	10

No. 923.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 5 Hole, bored at Ford Colliery, about 40 yards East from the fourth.
July 7th, 1739.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	4	0				Brought forward	5	4	0			
Soft greenish grey metal, with brown and black scames in it, and a small sipping of water ...	2	0	0				Grey and dun post girdles, mixed with whin ...	0	4	0			
Black metal ...	0	2	0				Red post ...	0	5	0			
Brown and grey scamy metal ...	0	1	0				Strong red post, with mixture whin girdles, with soft sandy partings ...	2	0	0			
Strong red post ...	0	3	0				In open red and grey post, with water ...	1	4	6	10	5	6
Red and grey post ...	2	0	0										
Carried forward	5	4	0				Total				10	5	6

No. 924.—FOREST BURN.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. 55° 16' 26", Long. 1° 52' 6".

Account of the Strata at Foxton Hill Pit, Forest Burn Colliery, Parish of Rothbury.

Approximate surface level 465 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	0	0				Brought forward	23	1	0	23	1	8
Freestone ...	14	0	0				Metal ...	0	1	0			
Metal ...	4	0	0				COAL ...	0	0	6	23	2	6
Limestone (Eight-Yd. Stone) ...	4	0	0				Seggar clay ...	1	3	0			
Metal ...	0	1	0				Limestone ...	0	3	0			
COAL ...	0	0	8	23	1	8	Seggar clay ...	1	3	0			
Metal ...	0	1	0				Impure limestone ("red stone") ...	0	3	0			
Freestone ...	14	0	0				Metal ...	2	3	0			
Metal, with balls of ironstone (Brinkburn Ironstone Shale) ...	6	0	0				COAL — Shilbottle Seam ...	0	2	6	6	5	6
Limestone (Six-Yard Stone) ...	3	0	0				Freestone ...	1	1	0			
Carried forward	23	1	0	23	1	8	Metal, with beds of ironstone ...	2	0	0	3	1	0
							Total				*56	4	8

* Approximate sea level 114½ feet below this.

No. 925.—FOULBRIDGE.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. , Long.

Boring near Foulbridge House Lands, in Mr. Dawson's Grounds, and opposite where Foulbridge is now, and in the Plantation. July 5th, 1728.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel, with metal and water ...	1	0	0				Brought forward	15	4	0	7	4	9
Grey metal ...	3	0	0				White post, with black and grey scames and water ...	4	0	0			
Grey post girdle ...	0	0	9				White post girdles ...	0	4	0			
Grey metal ...	2	5	0				Grey stone ...	0	1	6			
COAL, with water...	0	5	0				Whin girdles, with black scames and water ...	1	1	0			
				7	4	9	White post, with black scames ...	2	0	0			
Grey metal ...	0	2	0				Grey metal, with water	2	3	0			
Grey and white post	1	0	0				Grey metal, with post girdles and water...	3	5	0			
Grey metal, with post girdles ...	1	0	0				COAL ...	0	0	9			
Whin ...	0	1	0								30	1	3
Grey metal and post girdles ...	1	0	0				Black and grey stone, with water ...	2	0	0			
Grey and black stone, mixed with coal and water ...	4	3	0				COAL ...	0	2	0			
Grey metal ...	1	0	0								2	2	0
White post and water	0	3	0				Slate ...	0	0	2			
White post, mixed with whin ...	0	1	0				COAL, with water...	0	2	8			
White post, with water	6	0	0				Grey thill ...	0	1	0			
											0	3	10
Carried forward	15	4	0	7	4	9	Total ...				40	5	10

No. 926.—FOURSTONES.

TOWNSHIP OF FOURSTONES, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. 55° 0' 16", Long. 2° 10' 33".

Account of Strata sunk through in First Pit, Fourstones Colliery.

Approximate surface level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset soil and clay...	1	0	0				Brought forward	14	2	11			
Brown post ...	3	3	0				Blue stone ...	9	3	0½			
Rotten stone ...	0	1	9½				Limestone ...	2	2	10			
Brown post ...	0	3	1½				Grey beds ...	0	1	2			
Blue stone, with post girdles ...	0	4	10½				Scamy white post ...	3	2	0½			
Blue stone ...	5	0	0					6	2	2			*
Brown post ...	3	2	1½				COAL ...	0	3	10			
											37	0	0
Carried forward	14	2	11				Total ...				*37	0	0

* Approximate sea level (Ordnance datum).

No. 928.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	9	4	2	2	Brought forward				30	1	8
Black stone, with water ...	0	1	11				Grey metal, with post girdles and water...	1	4	0			
Grey metal, with post girdles and water...	12	0	1				Blue metal, with coal pipes ...	0	5	1			
Brown and white post, with metal partings	6	2	6								2	3	1
White post ...	1	2	8				Grey metal, with post girdles ...	2	0	1			
Grey metal stone, with water ...	0	4	2				White post, with water ...	3	3	8			
White post ...	0	1	3				Grey metal ...	1	0	0			
COAL ...	0	1	10				COAL ...	0	2	4			
				25	0	2					7	0	1
Grey metal ...	0	5	1				Grey metal, with post girdles and water...	5	4	5			
COAL ...	0	0	3				COAL ...	0	4	4			
				0	5	4					6	2	9
Carried forward				30	1	8	Total ...				46	1	7

No. 929.—FRAMWELLGATE.

Sheet 20 of Ordnance Map. Lat. about 54° 47' 59", Long. 1° 34' 49".

TOWNSHIP OF FRAMWELLGATE, DURHAM.

An Account of Strata sunk through in the Framwellgate Moor Old Pit.
Begun January 5th, 1838.

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	18	4	0			
Sandy brown clay ...	2	5	6				Loamy sand, with water	0	5	0			
Sand, with water, very quick ...	4	0	0				Strong black clay, rather soily ...	4	2	0			
Blue loamy clay, mixed with sand in some parts ...	2	2	0				Marly freestone, with water (46·50 gallons per hour) ...	0	4	0			
Sand, light coloured and mixed with coal of different descriptions ...	3	3	6				Soft grey metal ...	0	2	0			
Sand, with water, very quick ...	2	0	0				Soft black metal ...	0	0	3			
Loamy clay, with sandy partings ...	0	2	6				COAL — Low Main Seam ...	0	2	7			
Loamy sand, with water, very quick ...	0	5	0								25	1	10
Brown leafy clay, with sandy partings and water ...	2	3	0				Black metal, with scares of coal and water ...	0	2	6			
							Soft grey metal ...	0	3	4			
Carried forward	18	4	0				Grey metal, with white post girdles ...	0	3	0			
							Carried forward	1	2	10	25	1	10

No. 929.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	10	25	1	10		4	2	3	46	4	0 $\frac{1}{4}$
Quicksand ...	0	0	10										
Grey metal stone, with white post girdles...	0	2	0										
Black metal, with iron- stone girdles ...	1	0	4										
Soft grey metal ...	0	0	1 $\frac{1}{2}$										
COAL , with water— <i>Brass Thill Seam</i>	0	2	6										
				3	2	7 $\frac{1}{2}$							
Grey metal ...	0	3	10 $\frac{1}{2}$										
COAL , red, with water ...	0	0	8										
				0	4	6 $\frac{1}{2}$							
Grey metal ...	0	5	9										
White brown post, with water gulleys	0	5	2										
Grey brown metal, with post girdles and water ...	1	3	2										
Black metal, with iron- stone girdles ...	1	4	0										
Grey metal stone, with post girdles ...	1	3	6										
COAL , with water— <i>Hutton Seam</i>	0	3	6										
				7	1	1							
Grey metal ...	0	3	1										
Black metal ...	0	1	8										
Grey metal, with water	0	5	8										
White post, with water	1	0	7										
Gulley white post, with water ...	0	5	7										
Grey post, with water	0	0	6										
Blue and brown metal, with water ...	0	2	0										
COAL , with water...	0	0	4										
				4	1	5							
Grey metal, with water	0	1	5 $\frac{1}{2}$										
COAL , with water...	0	0	10 $\frac{1}{4}$										
				0	2	3 $\frac{3}{4}$							
Grey metal, with water	1	1	8 $\frac{1}{2}$										
Brown post, with water	0	0	11										
Grey metal, with water	0	0	11										
Grey post, with water	1	2	7										
Grey post, with water	0	1	7										
COAL , with water...	0	0	10										
				3	2	6 $\frac{1}{2}$							
Grey metal, with water	0	1	6										
Strong grey metal, with post girdles and water ...	1	3	6										
COAL , with water...	0	0	8										
				1	5	8							
Grey metal, with water	1	3	0										
Dark grey metal ...	1	4	11 $\frac{3}{4}$										
	0	5	6 $\frac{1}{4}$				*						
Strong white post ...	0	0	9										
Carried forward	4	2	3	46	4	0 $\frac{1}{4}$							
Brought forward	4	2	3	46	4	0 $\frac{1}{4}$							
Black metal, with iron- stone girdles ...	1	2	10										
Grey metal, with post girdles ...	1	0	5										
Strong brown post, with metal partings	0	2	6										
Strong grey metal, with post girdles ...	1	5	10										
Strong white post, mixed with whin ...	0	3	4										
Grey metal ...	0	2	3										
White post ...	0	0	3										
Grey metal, with iron- stone girdles ...	0	3	0										
Dark grey metal ...	0	0	8 $\frac{1}{2}$										
COAL ...	0	1	8								11	1	0 $\frac{1}{2}$
Grey metal ...	2	1	6										
Strong white post, with water ...	1	4	11										
Grey metal ...	1	3	5										
COAL , danty ...	0	0	11								5	4	9
Grey metal and metal stone ...	1	2	5										
Grey post ...	1	2	11										
Grey metal ...	0	0	11										
Grey metal, with post girdles ...	1	2	9										
Strong white post, with water ...	5	2	7										
Grey and white post...	2	5	9										
Dark grey metal, scared with coal ...	0	1	3										
Strong white post, mixed with whin ...	0	3	0										
White post, inclining to metal near bottom	0	2	5										
Dark metal, scared with coal ...	0	1	2										
<i>Busty Seam</i> —													
COAL , top	1	11											
Band ...	1	0											
COAL , bot- tom ...	2	0											
											0	4	11
											15	0	1
<i>Sump</i> —													
COAL , foul ...	0	0	4										
Dark grey metal ...	0	0	8										
Black metal, mixed with coal ...	0	0	7										
Grey metal ...	0	3	4										
Grey metal ...	0	0	7										
Dark grey metal, with scares of coal ...	0	2	4								1	1	10
Total ...											79	5	8 $\frac{1}{4}$

* Approximate sea level (Ordnance datum).

No. 930.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 59", Long. 1° 34' 49".

Strata sunk through at Framwellgate Moor Colliery. Begun January 5th, 1838.

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	0	4	9	37	0	9
Brown sandy clay ...	2	5	6				Grey metal, with water	0	5	8			
Sand, very quick, with water ...	4	0	0								1	4	5
Blue loamy clay, with layers of sand ...	2	2	0								38	5	2
Sand ...	3	3	6				<i>Bored July, 1844:—</i>						
Sand, very quick, with water ...	2	0	0				Grey metal, with post girdles ...	1	0	2½			
Loamy clay, with sandy partings ...	0	2	6				Strong white post, with metal partings and water ...	2	5	9			
Loamy clay, with water, very quick ...	0	5	0				COAL , foul slaty ...	0	1	0			
Blue leafy clay ...	2	3	0								4	0	11½
Loamy sand, with water, very quick ...	0	5	0				Grey metal, with post girdles ...	1	5	2			
Strong black clay ...	4	2	0				COAL , foul and brassy ...	0	0	8			
Marly freestone ...	0	4	0								1	5	10
Soft grey metal ...	0	2	0				Strong grey metal ...	1	3	8			
Soft black metal ...	0	0	3				Black metal ...	1	3	0			
COAL — <i>Low Main Seam</i> ...	0	5	7				Strong grey metal ...	1	1	0			
				25	4	10	Black metal ...	0	5	4½			
Black metal ...	0	2	6								1	1	10¾
Soft grey metal ...	0	3	4				COAL ...	0	0	3¼			
Grey metal, with post girdles ...	0	3	0								6	3	2½
Sand, quick ...	0	0	10				Grey metal ...	1	0	6			
Grey metal, with post girdles ...	0	2	0				Grey post ...	0	3	0			
Black metal ...	1	0	4				Strong grey metal ...	1	4	0			
Soft grey metal ...	0	0	1½				Grey post ...	1	1	3			
COAL , with water— <i>Brass Thill Seam</i> ...	0	2	6				Dark grey metal ...	0	3	7½			
				3	2	7½	COAL (<i>supposed Harvey Seam</i>) ...	0	1	10			
Grey metal ...	0	3	10½								5	2	2½
COAL , with water ...	0	0	8				Grey metal ..	2	0	4			
				0	4	6½	White post ...	1	5	1			
Grey metal ...	0	5	9				COAL ...	0	0	8			
Post ...	0	5	2								4	0	1
Grey metal, with post girdles ...	1	3	2				Grey metal ...	1	3	5			
Black metal ...	1	4	0				COAL ...	0	0	7			
Grey metal, with post girdles ...	1	3	6								1	4	0
COAL — <i>Hutton Seam</i> ...	0	3	2				Strong grey metal ...	0	4	5			
				7	0	9	Grey metal ...	1	2	2			
Grey metal ...	0	3	1				Strong white post ...	1	3	2			
Black metal ...	0	1	8				Strong white post ...	6	0	5			
							White post ...	1	0	10			
Carried forward	0	4	9	37	0	9	Strong white post ...	1	3	2			
							Strong white post ...	1	3	1			
							Grey metal ...	0	1	11			
							Strong white post ...	0	4	8			
							Carried forward	14	5	10	62	3	5½

* Approximate sea level (Ordnance datum).

No. 930.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	5	10	62	3	5½
<i>Busty Bank Seam—</i>						
	Ft.	In.				
COAL ...	2	2				
Band ...	0	2				
COAL ...	0	5				
Band ...	0	3				
COAL ...	2	10				
	—		0	5	10	
				15	5	8
<i>Bored (July 8th, 1845):—</i>						
Grey metal ...	...	0	1	1		
COAL, foul ...	...	0	1	6		
				0	2	7
Grey post ...	...	0	2	0		
COAL, foul ...	...	0	0	8		
				0	2	8
Grey metal stone ...	...	6	1	10		
Black stone ...	...	0	3	2		
Grey metal ...	...	0	0	4		
Grey post ...	...	0	0	10		
Carried forward	7	0	2	79	2	4½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	2	79	2	4½
Grey metal ...	3	1	6			
Grey post ...	0	3	0			
Grey metal stone ...	0	2	9			
Dark metal ...	0	0	9			
COAL, slaty ...	0	1	4			
				11	3	6
Grey metal stone ...	5	0	0			
White post ...	2	0	0			
Black parting ...	0	0	8			
Grey post ...	0	2	6			
Grey metal stone ...	2	1	2			
Grey post ...	1	5	0			
Grey metal stone ...	2	3	0			
Grey post ...	12	3	0			
Dark metal ...	0	0	2			
COAL ...	0	1	4			
				26	4	10
Black stone ...	0	0	2			
Grey metal ...	1	1	8			
Grey post ...	0	4	0			
				1	5	10
Total ...				119	4	6½

No. 931.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 47' 21", Long. 1° 35' 51".

Account of Strata bored through in Framwellgate Moor Royalty, on the South Side of the Road leading from Durham to Witton Gilbert, near to the West part of Boundary. Bored by William Coulson. Begun to bore, May 22nd, 1839.

Approximate surface level 360 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	10	1	1	5	0	2
Brown clay ...	2	1	0				Brown whin, with						
Brown metal ...	1	3	8				water ...	0	2	2			
White post, with metal							Grey metal, with water	11	2	6			
partings ...	0	5	0				Grey post ...	0	4	6			
Black metal ...	0	1	0				White post ...	0	3	6			
COAL , foul, with							Grey post ...	0	2	4			
water ...	0	0	6				COAL ...	0	2	10	24	0	11
				5	0	2							
Black stone ...	0	0	8				Grey metal ...	0	2	0			
Grey post, with metal							Grey metal, with post						
partings ...	0	3	0				girdles ...	3	3	0			
Grey metal ...	0	5	6				White post, with water	0	2	0			
Brown post ...	1	1	5				Grey metal, with post						
Grey metal ...	1	3	0				girdles ...	1	0	4			
Grey post, with metal							COAL ...	0	2	5	5	3	9
partings ...	5	0	0										
Grey metal, with water	0	5	6				Carried forward				34	4	10
Carried forward	10	1	1	5	0	2							

No. 931.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				34	4	10
Grey post ...	1	0	8			
White post ...	0	2	0			
COAL , foul ...	0	1	0			
Grey post ...	0	1	0			
White post ...	1	1	6			
Grey metal ...	1	1	6			
White post, with water	0	5	0			
Grey post, with metal partings ...	1	2	2			
COAL ...	0	1	6			
				6	4	4
Grey metal ...	2	2	0			
Grey metal, with scares of coal ...	2	1	2			
Black metal ...	0	1	4			
Grey metal ...	0	1	0			
Grey post, with metal partings ...	0	4	3			
Grey metal, with scares of coal ...	1	1	6			
Grey metal ...	2	5	2			
Grey metal, with post girdles ...	3	5	0			
COAL ...	0	1	8			
				13	5	1
Strong white post ...	1	1	9			
Grey metal ...	0	2	6			
COAL ...	0	1	0			
				1	5	3
Grey metal, with post girdles ...	2	4	6			
Black metal ...	0	1	0			
Grey metal, with post girdles ...	1	1	3			
Dark grey metal, with scares of coal ...	1	5	0			
Grey post ...	1	2	3			
Strong grey post ...	0	2	0			
Carried forward	7	5	6	57	1	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	5	6	57	1	6
Grey metal, with post girdles ...	2	3	0			
COAL , foul ...	0	0	10			
				10	3	4
Grey metal, with post girdles ...	0	2	2			
Strong white post ...	0	2	3			
Grey metal ...	1	1	10			
COAL , foul ...	0	2	0			
				2	2	3
Grey metal, with post girdles ...	2	2	0			
Grey post ...	0	2	0			
Whin girdles ...	0	0	5			
Strong white post ...	1	3	0			
COAL ...	0	0	3			
Grey metal stone ...	2	5	0			
COAL ...	0	2	2			
				7	2	10
Grey metal ...	0	2	9			
Strong white post ...	0	3	6			
Grey post, with metal partings and water	1	4	6			
COAL , mixed with metal at the bottom	0	1	2			
Grey metal and metal stone ...	0	4	9			
Strong white post, mixed with whin metal and water ...	5	4	3			
<i>Supposed Beaumont Seam—</i>						
COAL ...	2	4	$\frac{1}{2}$			
Band ...	0	3				
COAL ...	2	10				
				0	5	$5\frac{1}{2}$
Into grey mild ...	0	0	6			
				10	2	$10\frac{1}{2}$
Total ...				88	0	$9\frac{1}{2}$

* Approximate sea level (Ordnance datum).

No. 932.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 1", Long, 1° 35' 47".

Account of Strata sunk through in the Cator House or Dryburn Grange Pit, Framwellgate Colliery.

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6			
Sandy clay ...	1	3	0			
Clay ...	0	2	6			
Carried forward	2	0	0			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0			
Blue clay ...	2	3	6			
Sand ...	0	4	0			
Carried forward	5	1	6			

No. 932.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	6				Brought forward	6	2	0	46	1	9
Gravel ...	0	2	0				Grey post ...	1	4	0			
Sand ...	0	3	0				COAL ...	0	0	6			
Grey metal ...	5	5	6								8	0	6
Grey whin ...	0	0	5				Grey metal and post						
Grey metal and post							girdles ...	2	1	6			
girdles ...	0	1	8				COAL ...	0	0	6			
Post girdles ...	0	1	2								2	2	0
Blue metal ...	0	1	8				Grey metal and post...	7	4	0			
Post girdles ...	0	0	6				COAL ...	0	0	3			
Blue metal ...	1	5	7								7	4	3
Brown post ...	0	4	0				Metal stone ...	1	0	0			
Blue metal and post							Grey post ...	0	3	0			
girdles ...	0	4	0				COAL—Harvey Seam	0	2	0			
Blue metal ...	2	2	8								1	5	0
Strong metal and post	6	0	0				Grey metal ...	2	0	0			
COAL ...	0	0	2				Grey post ...	2	0	0			
				24	3	10	White post ...	1	5	0			
Strong white post ...	2	2	10				COAL ...	0	1	2			
Black stone ...	0	0	6								6	0	2
COAL—Low Main							Grey metal ...	1	4	0			
Seam ...	0	2	2				Grey post ...	5	0	0			
				2	5	6	White post whin ...	4	0	0			
Clay ...	0	2	4				Grey and white post...	1	2	10			
Black sooty clay ...	0	2	0				<i>Busty Seam—</i>						
Grey metal and post							<i>Ft. In.</i>						
girdles ...	5	2	6				COAL , good	1	10				
Post girdles ...	1	0	0				Band ...	0	7½				
Blue metal ...	0	4	0				COAL , good	2	0				
Black stone ...	0	2	0								0	4	5½
COAL—Brass Thill												12	5
Seam ...	0	2	7										3½
				8	3	5							
Black stone ...	1	0	10				Total ...				85	0	11½
COAL ...	0	0	8										
				1	1	6							
Thill stone ...	0	4	6				<i>Bored from the Busty</i>						
Grey metal and post							<i>to the Brockwell</i>						
girdles ...	2	2	1				<i>Seam:—</i>						
Brown whin ...	0	2	0				Seggar stone...	0	2	0			
Grey metal ...	0	5	0				Grey post ...	0	3	0			
Brown post ...	0	2	10				Grey metal ...	0	1	6			
Grey metal and iron-							COAL ...	0	0	8			
stone girdles ...	0	5	8								1	1	2
<i>Hutton Seam—</i>							Grey metal ...	1	3	0			
<i>Ft. In.</i>							Whin stone ...	0	1	6			
COAL ...	3	2					Grey metal ...	4	1	4			
COAL , coarse	0	4					COAL , splint	0	1	8			
											6	1	6
							Soft seggar (gas and						
							water) ...	0	2	6			
							Grey metal and post						
							girdles ...	3	0	0			
							COAL ...	0	0	2			
											3	2	8
							Seggar stone	0	0	8			
							Black stone ...	0	0	2			
							Grey post ...	2	5	0			
							White post ...	0	2	6			
							Grey metal and post						
							girdles ...	2	0	0			
Carried forward	6	2	0	46	1	9	Carried forward	5	2	4	96	0	3½

* Approximate sea level (Ordnance datum).

No. 932.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	2	4	96	0	3½	Brought forward	15	1	6	96	0	3½
White post ...	0	1	0				Black stone ...	0	0	6			
Grey metal and post							Seggar stone...	0	1	6			
girdles ...	1	0	4				Blue metal ...	1	0	0			
Grey metal ...	1	0	8				Post stone ...	1	4	6			
White post ...	0	3	0				Grey metal ...	0	4	0			
Black stone ...	0	0	8				Whin stone ...	0	2	0			
Grey metal and post							Grey metal ...	1	0	0			
girdles ...	0	1	3				Post stone ...	0	0	9			
Grey metal ...	1	0	0				Grey metal and post						
Whin stone, mixed							girdles ...	1	0	0			
with post ...	0	2	0				Blue metal ...	0	2	9			
Black stone ...	0	0	10				Black stone ...	0	0	9			
Seggar stone...	0	2	5				COAL ...	0	0	6			
Post ...	0	3	0				Seggar stone ..	0	2	0			
Grey metal ...	1	4	0				White post stone	2	2	11			
Post stone ...	0	4	0								24	5	8
Grey post ...	2	0	0										
Carried forward	15	1	6	96	0	3½	Total ...				120	5	11½

No. 933.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 0", Long. 1° 32' 35".

Account of Strata sunk and bored through in Frankland Park Pit, belonging to the Earl of Durham. 1840.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	4	6				Brought forward				19	0	5
Brown sandy soil ...	0	1	3				<i>Bored:—</i>						
Sand, with a little							Black stone ...	0	4	8			
water ...	0	4	3				COAL ...	0	1	9			
Fine loamy clay ...	4	3	4								1	0	5
Strong stony clay ...	2	1	6				Thill stone ...	0	1	6			
Brown freestone ramble	2	3	2				Brown stone ...	0	2	4			
Pudding stone (resem-							Blue stone ...	0	1	6			
bling gravel) ...	0	0	10				COAL ...	0	0	7			
Light blue stone ...	1	1	6								0	5	11
Grey metal, jointy ...	1	4	5				Grey thill stone	0	1	7			
COAL (leader of a							Blue stone ...	0	5	7			
dyke downcast to							Grey metal stone	1	1	1			
the North) ...	0	0	3	14	1	0	Post stone (set away	1	3	0			
Soft thill stone ...	0	4	0				the water) ...	0	3	1			
Grey metal stone ...	1	1	3										
Brown freestone (foun-							Blue stone ...	2	2	10			
dation) ...	3	0	2				COAL—Hutton Seam	0	4	6			
Carried forward				4	5	5					7	3	8
							Total ...				28	4	5

No. 934.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

An Account of Strata sunk through in the Frankland Pit.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brown sandy soil ...	0	1	3			
Sand, with a little water ...	0	4	3			
Loamy clay ...	4	3	4			
Strong stony clay ...	2	1	6			
Brown freestone ramble	2	3	2			
Pudding stone (resembling gravel) ...	0	0	10			
Light blue stone ...	1	1	6			
Grey metal, jointy ...	1	4	5			
COAL ...	0	0	3	13	2	6
Soft thill stone ...	0	4	0			
Grey metal stone ...	1	1	3			
Brown freestone ...	3	0	2			
Blue stone ...	0	4	8			
COAL ...	0	1	9	5	5	10
Thill stone ...	0	1	6			
Brown cashy stone ...	0	2	4			
Blue stone ...	0	1	6			
COAL ...	0	0	7	0	5	11
Grey thill stone ...	0	1	7			
Carried forward	0	1	7	20	2	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	7	20	2	3
Blue stone ...	0	5	7			
Grey metal ...	1	1	1			
Strong post stone ...	2	0	10			
Blue stone ...	1	2	8			
Post girdle ...	0	0	4			
Blue stone ...	0	0	5			
Post girdle ...	0	0	3			
Blue stone ...	0	0	4			
Grey post girdle ...	0	0	5			
Blue stone ...	0	3	2			
<i>Hutton Seam</i> —						
COAL ...	3	11				
COAL , bottom ...	0	11				
	0	4	10	7	3	6
Thill stone ...	0	3	6			
Post ...	1	4	6			
Dark blue stone ...	0	3	4	2	5	4
COAL ...	0	0	1			
Thill stone ...	0	2	0	0	2	1
Total ...				31	1	2

No. 935.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of Strata in No. 1 Borehole in the Frankland Estate. July 11th, 1842.

Approximate surface level feet above sea (Ordnance datum).

[illegible]

No. 937.—FRANKLAND.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.	
						5	4	5				5	4	10	6	1	9	
Brought forward									Brought forward									
Thill stone	...	...	0	2	8					Ft. In.								
COAL	...	...	0	0	8				COAL, good	2	10							
						0	3	4	COAL	...	0	10						
													0	3	8			
Thill stone	...	...	0	1	8											6	2	6
Blue stone, with iron									Thill stone	...	...	0	1	0				
girdles	...	...	0	4	8				Post stone, much bro-									
Metal stone, with post									ken with trouble	...	1	5	4					
girdles	...	...	2	2	3				Blue stone	...	1	4	0					
Post stone	...	...	2	2	3				Grey metal	...	2	2	0					
															6	0	4	
Carried forward			5	4	10	6	1	9	Total	...	...	...	18	4	7			

No. 938.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through at the Staple, at Frankland Colliery. 1861.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Dry sand	...	...	0	5	0					Brought forward					19	0	8
Sand, with water	...	...	1	0	6					Blue metal stone	...	0	4	6			
Loamy clay	...	...	0	3	6					Post stone, with a little							
Freestone	...	...	6	2	0					water	...	1	0	0			
COAL — <i>Low Main</i>										Blue metal stone	...	0	0	2			
<i>Seam</i>	...	...	0	2	10	9	1	10		Post stone	...	0	2	0			
Thill stone	...	...	0	5	6					Grey metal stone	...	0	2	0			
Freestone	...	...	5	1	6					Blue metal stone	...	0	1	0			
Blue metal stone	...	...	0	2	6					Ironstone girdle	...	0	0	2			
COAL	...	...	0	1	2	6	4	8		Blue stone	...	0	1	6			
Blue metal stone	...	...	1	0	6					Post stone	...	0	0	2			
Post stone	...	...	0	2	2					Blue metal stone	...	0	3	6			
Blue metal	...	...	0	0	6					Post stone	...	0	0	6			
Post stone	...	...	0	2	2					Blue metal stone	...	0	3	4			
Blue metal stone	...	...	0	0	8					Post stone	...	0	0	4			
COAL	...	...	0	0	10	2	0	10		Blue stone	...	0	0	2			
Blue metal stone	...	...	0	4	6					COAL , good	3	10					
COAL	...	...	0	0	10					COAL , bottom	0	6					
						0	5	4		Stone...	...	0	4				
										COAL , bottom	0	8					
													0	5	4		
															5	0	8
Carried forward						19	0	8		Total	...				24	1	4

No. 939.—FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Fugar House, about 200 yards to the East of the Blue Well Outburst, supposed to be the Outburst of the Low Main Coal on Tyne. April 12th, 1755.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	0	1	0				Brought forward	2	2	6	26	2	5
COAL , foul, mixed							White and grey post...	0	4	6			
with stony clay ...	0	1	0				Open parting, with						
Soft blue and grey							water ...	0	0	4			
metal, with a spring							White post, with water	2	2	0			
of water near the							COAL ...	0	0	8			
bottom ...	1	2	6				Black slaty metal,						
Strong white post ...	0	1	6				mixed with coal ...	0	0	6			
Strong grey metal											5	4	6
stone, with post							Grey metal ...	0	3	6			
girdles ...	0	3	9				COAL ...	0	1	2			
White post ...	0	2	6				Grey metal ...	0	1	0			
White post girdle,							Grey metal, scared						
with metal partings							with coal ...	0	0	6			
and settled the water	2	0	0				COAL ...	0	0	8			
White and grey post,											1	0	10
with brown and							Grey metal, with post						
black scamy part-							girdles ...	0	4	0			
ings and water ...	12	1	0				Grey post, with scamy						
Black metal ...	0	2	0				partings and water	1	3	0			
Grey metal ...	0	2	0				COAL ...	0	0	4			
White post, with metal							Blue metal ...	0	1	0			
partings ...	0	4	6				Grey metal ...	0	4	0			
Grey metal ..	0	0	8				Strong grey and blue						
COAL ...	0	0	2				metal stone, with						
				18	4	7	post girdles and						
Grey metal ...	0	1	0				water ...	2	1	0			
Grey metal stone ...	0	4	6				Grey and white post,						
Grey post, with strong							with water ...	1	3	0			
girdles, metal part-							COAL ...	0	2	0			
ings and water ...	6	3	0				Grey metal ...	0	0	6			
COAL ...	0	0	3				COAL ...	0	0	6			
Slaty band or lump ...	0	0	1				COAL , foul ...	0	0	2			
COAL ...	0	1	0								7	1	6
				7	3	10	Grey metal, with						
White post, with water	2	0	0				girdles and catheads				0	3	0
Grey metal ...	0	2	6										
Carried forward	2	2	6	26	2	5	Total ...				41	0	3

No. 940.—FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 35' 53", Long. 1° 39' 25".

An Account of Strata bored through, 240 yards South-east from Fugar House, in the Lane leading to Newcastle, for the Earl of Scarbro'. 1755.

Approximate surface level 293 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown post and soft scamy partings ...	2	5	6				Brought forward	6	3	2	4	1	4
An open waste or hol-low place ...	0	0	10				Grey metal stone and post girdles, with black scamy partings and water ...	1	4	0			
Loose post stone ...	0	0	6				Grey post, with water	0	2	6			
							Grey metal stone, with seamy partings ...	0	3	0			
COAL , loose	2	9					Grey post, with black scamy partings ...	1	1	6			
COAL , loose, and metal ...	1	0					Grey post, with coal pipes (set away the water) ...	8	5	0			
COAL , loose	2	9					Soft grey metal ...	0	1	0			
				1	0	6	COAL ...	0	0	2			
											19	2	4
Grey and brown scamy metal, with coal and water ...	0	1	8				Grey metal and metal stone ...	0	4	6			
Black metal stone, with scares of coal	0	2	0				Grey post and metal partings ...	1	1	0			
Grey metal stone, with girdles or lumps ...	1	4	0				White post, with water	2	0	0			
Grey metal stone, with post girdles ...	1	0	0				White post ...	4	4	9			
Grey post, with metal partings ...	0	5	0				White metal ...	0	0	4			
Grey metal ...	0	2	0				COAL — Supposed Beaumont or Harvey Seam ...	0	2	6			
Grey post, with metal partings ...	0	5	0								9	1	1
Grey metal stone ...	0	3	0				Black grey thill ...	0	0	6			
Grey post and metal partings ...	0	3	0				In grey metal stone...	0	0	9			
Grey and white post (set away the water)	0	1	6								0	1	3
Carried forward	6	3	2	4	1	4	Total ...				*33	0	0

* Approximate sea level 90 feet below this.

No. 941.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 24", Long. 1° 37' 15".

Boring adjoining the Madhouse, in Gallowgate.

Approximate surface level about 198 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the Yard Coal				33	0	0	Brought forward	2	0	0	33	0	0
Grey stone ...	1	0	0			*	Brown and white post (water goes away)...	1	3	0			
Blue stone ...	1	0	0										
Carried forward	2	0	0	33	0	0	Carried forward	3	3	0	33	0	0

* Approximate sea level (Ordnance datum).

No. 941.—GALLOWGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	0	33	0	0
Strong white post ...	1	3	0			
Whin ...	0	2	0			
Strong white post, open partings (water goes away) ...	1	0	0			
White and brown post	0	3	0			
Strong white post ...	3	0	0			
Whin ...	0	1	4			
White post ...	0	3	0			
Open partings (water goes away) ...	0	0	5			
White post ...	2	3	0			
White post (water goes away) ...	2	0	0			
Whin ...	0	2	0			
<i>Bensham Seam—</i>						
COAL ...	Ft.	In.				
	1	4				
Metal ...	0	3				
COAL, foul	0	4				
Black slate, mixed with coal ...	0	8				
	—	0	2	7		
				15	5	4
Carried forward				48	5	4

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				48	5	4	
Grey stone ...	1	0	0				
White post ...	0	1	0				
Grey stone ...	0	1	0				
White and grey post	0	4	0				
Strong white post, with water ...	0	1	4				
Iron whin ...	0	1	6				
Strong white post ...	0	5	0				
In part water ...	0	0	4				
Whin ...	0	3	0				
Strong white post ...	0	3	0				
Grey metal ...	0	1	0				
COAL ...	0	2	8				
Metal ...	0	0	4				
<i>Low Main Seam—</i>							
COAL ...	Ft.	In.					
	1	0					
COAL, mixed with slates	0	4					
COAL ...	0	4					
	—	0	1	8			
				—	5	1	10
Total ...					54	1	2

No. 942.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 24", Long. 1° 37' 22".

Boring in Capt. George Stevenson's Estate, at the Foot of the Lane leading from the Quarry House to Gallowgate, near the Spring Garden.

Approximate surface level about 213 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...	5	0	0				Brought forward	7	3	0			
Box ...	1	0	0				<i>Metal Coal Seam—</i>						
Grey post, with water	0	5	0					Ft.	In.				
Grey metal ...	0	4	0				COAL ...	0	4				
							Grey metal ..	3	0				
							COAL ...	1	10				
								—		0	5	2	
										8	2	2	
Carried forward	7	3	0				Carried forward			8	2	2	

No. 942.—GALLOWGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	2	2			
Grey thill ...	0	3	0			
Grey metal ...	2	0	0			
Grey post ...	0	3	0			
Grey metal ...	1	1	0			
Black stone ...	0	3	0			
COAL, with water—						
Stone Coal ...	0	1	5			
	4	5	5			
Black stone ...	0	1	0			
Grey stone ...	1	0	0			
Grey post, with water	0	3	0			
Grey stone ...	1	0	0			
Grey metal ...	2	3	0			
Black metal, mixed						
with coal ...	0	2	0			
Grey post ...	1	0	0			
Brown and grey post,						
with water ...	1	0	0			
Grey stone, with post						
girdles ...	2	3	0			
White post, with water	0	5	0			
Blue stone ...	0	5	0			
Whin ...	0	2	2			
Blue stone ...	2	0	0			
White post ...	1	3	0			
Black stone ...	1	0	0			
Grey stone ...	1	0	0			
Black stone ...	0	3	0			
Grey stone ...	1	4	2			
Yard Seam—						
COAL ...	2	10				
Black stone,						
mixed with						
coal ...	0	7				
	0	3	5			
	20	1	9			
Grey stone ...	1	0	0			
Blue stone ...	1	0	0			
Brown and white post	1	3	0			*
Strong white post ...	3	0	0			
Whin ...	0	2	6			
Open partings ...	0	0	4			
Strong white post ...	3	0	0			
Whin ...	0	2	0			
Strong white post,						
mixed with whin ...	7	2	11			
Grey stone ...	1	0	0			
Carried forward	18	4	9	33	3	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	4	9	33	3	4
Bensham Seam—						
COAL, good	1	7				
Metal ...	0	3				
COAL, foul	1	3				
Slate, mixed						
with coal...	0	8				
	0	3	9			
	19	2	6			
Grey stone ...	1	0	0			
White post ...	0	2	0			
Grey stone ...	0	1	0			
White and grey post,						
with water ...	1	1	0			
Strong whin...	0	2	0			
Strong white post ...	0	5	0			
Whin ...	0	3	4			
Strong white post ...	0	3	0			
Grey metal ...	0	1	3			
Low Main Seam—						
COAL, foul	3	5				
Metal ...	0	4				
COAL, good	1	3				
COAL, foul	0	8				
	0	5	8			
	6	0	3			
Strong grey stone ...	4	3	0			
Black stone ...	1	0	0			
Grey post, with whin						
girdles ...	4	4	0			
Strong whin...	0	2	0			
Grey stone, with whin						
girdles ...	6	4	0			
Strong whin ...	0	2	0			
Grey post ...	0	2	0			
Strong whin ...	0	2	6			
Grey stone ...	0	2	0			
Blue metal ...	0	2	3			
Whin ...	0	1	6			
Black metal ...	0	3	0			
Grey stone ...	3	2	4			
	23	0	7			
Total ...	82	0	8			

* Approximate sea level (Ordnance datum).

No. 943.—GALLOWHILL.

TOWNSHIP OF BOLAM, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 55° 7' 50", Long. 1° 50' 40".

Boring at Gallowhill, from the Bottom of the Quarry, South from the Coal Pits and Lime Kiln. 1823.

Approximate surface level 375 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	1	3	1				Brought forward	8	0	9	3	1	7
Freestone, mixed with coal ...	1	3	2				Grey freestone, very hard ...	2	3	10½			
COAL (seam now in work) ...	0	1	4				Bastard whin ...	0	1	1			
				3	1	7	White freestone ...	0	2	0			
Thill ...	0	1	0				Grey freestone ...	2	1	6½			
White freestone post	0	4	6				Bastard whin ...	0	0	10			
Grey freestone post ...	6	2	9½				Grey freestone ...	1	1	3			
White freestone ...	0	4	5½				Blue metal ...	0	0	3			
							In white post ...	0	3	11			
Carried forward	8	0	9	3	1	7					15	3	6
							Total ...				*18	5	1

* Approximate sea level 262 feet below this.

No. 944.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. , Long.

Strata bored through at the Spen, in Mr. Smith's Land.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	3	0	0				Brought forward	8	1	4	24	1	3
Leafy clay ...	7	0	0				Whin ...	0	0	8			
Stony clay ...	10	3	0				COAL ...	0	0	2			
Blue stone ...	1	0	0								8	2	2
COAL ...	0	1	0				White metal ...	0	0	10			
				21	4	0	Whin ...	0	2	3			
Grey post ...	0	3	0				White post ...	0	4	0			
Blue stone ...	0	1	0				Whin ...	0	0	5			
White post ...	0	4	2				White post ...	0	4	0			
Blue stone ...	0	1	0				Blue stone ...	1	3	0			
White post ...	0	3	0				White post ...	1	1	0			
Blue stone ...	0	2	3				Blue stone ...	0	4	6			
COAL ...	0	0	10				Green post ...	0	5	0			
				2	3	3	Blue stone ...	1	1	6			
White post ...	1	5	0				Grey post ...	0	5	0			
Whin ...	0	1	0				White post ...	0	2	0			
Brown post ...	0	3	0				Whin ...	0	3	4			
Grey stone ...	1	2	0				Blue stone ...	1	4	6			
Post and metal girdles	4	2	4				White post ...	2	0	0			
							Grey post girdles ...	4	3	3			
Carried forward	8	1	4	24	1	3					17	2	7
							Total ...				50	0	0

No. 945.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 56' 12", Long. 1° 45' 48".

Account of Strata sunk through at Ash Tree Colliery, in the Pit near the joining of the Lane with Barlow Fell. 1798.

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walled with stone ...	5	3	0				Brought forward				18	3	0½
Brown post ...	6	5	6				Thill ...	0	4	0			
Blue metal stone ...	1	5	0				Grey post ...	2	1	2			
COAL ...	0	0	4½				COAL ...	0	0	8½			
Blue metal stone ...	0	1	3				Thill ...	0	1	3			
COAL ...	0	1	0				Grey post ...	4	3	0			
				14	4	1½	COAL—Tilley Coal	0	1	9			
Blue metal stone ...	0	1	11								7	5	10½
COAL ...	0	0	4				Thill ...	0	3	0			
Thill ...	0	0	6				Brown post ...	6	1	6			
Grey post ...	2	0	0				COAL (thinner by						
Blue metal stone ...	1	0	0				being crushed)—						
COAL—Barlow							Stone Coal ...	0	2	7			
Field Coal ...	0	2	2								7	1	1
				3	4	11							
Carried forward				18	3	0½	Total ...				*33	4	0

* Approximate sea level 348 feet below this.

No. 946.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 8", Long. 1° 44' 28".

Account of Boring in the First Pit, Garesfield Colliery. 1801.

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	1	0	0				Brought forward	11	2	11			
Soil and clay... ..	0	3	0				Blue stone, with post						
Blue clay, with whin							girdles	0	4	7			
tumbler	3	3	0				COAL and black						
Sand, with a small							slate—Barlow Fell						
feeder	0	2	0				Coal	0	3	6			
Blue clay, with small											12	5	0
tumblers	1	0	0				Clay stone	0	2	0			
Blue ramble, with							Blue stone	1	0	0			
water	2	2	0				Black stone, with gir-						
Yellow post, with part-							dles	0	3	0			
ings	1	2	0				Brown post	1	5	3			
Blue stone	0	4	5				White post, with large						
Grey post	0	4	6				gullets	2	4	3			
Carried forward	11	2	11				Carried forward	6	2	6	12	5	0

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	6	2	6	12	5	0		Brought forward	0	0	6	30	1	10
Grey platy post ...	1	0	6					Black stone ...	0	5	10			
Whin girdle ...	0	1	4					COAL — <i>3/4 Seam</i> ...	0	2	4			
Platy post ...	0	2	2									1	2	8
Whin girdle ...	0	1	2					Clay stone ...	0	2	2			
Post girdle ...	0	0	10					Whin girdle ...	0	0	6			
Blue stone ...	3	2	7					Blue stone, with gir-						
White post ...	3	1	3					dles ...	1	1	6			
COAL — <i>Tilley Coal</i>	0	0	6					Platy post girdle ...	0	1	7			
				15	0	10		Whin girdle ...	0	1	6			
Thill and blue stone	0	5	8					Grey metal stone ...	2	4	10			
COAL — <i>Stone Coal</i>	0	3	6					Blue stone ...	0	5	10			
				1	3	2		Black jet ...	0	0	4			
Clay stone ...	0	1	0					Blue stone and grey						
COAL — <i>5/4 Seam</i> ...	0	3	10					girdles ...	0	4	0			
				0	4	10		COAL — <i>Brockwell</i>						
Clay stone ...	0	0	6					<i>Seam</i> ...	0	3	6			
												7	1	9
Carried forward	0	0	6	30	1	10		Total ...				*39	0	3

* Approximate sea level 165 $\frac{3}{4}$ feet below this.

TOWNSHIP OF CHOPWELL, DURHAM.

Section of Strata, Chopwell A Pit, Garesfield Colliery.
Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	1	0	0			
Strata from surface...	15	4	9			
<i>Stone Coal Seam—</i>						
	Ft.	In.				
COAL , good	2	6				
Band ...	0	0 $\frac{3}{4}$				
COAL , good	0	2 $\frac{1}{4}$				
	—	0	2	9		
		—	17	1	6	
Strata	4	4	3			
<i>Five-Quarter Seam—</i>						
	Ft.	In.				
COAL , good	3	2 $\frac{1}{2}$				
Band ...	0	1				
COAL , good	0	2 $\frac{1}{2}$				
	—	0	3	6		
		—	5	1	9	
Strata	3	1	8			
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL , good	1	7 $\frac{1}{2}$				
Band ...	0	1				
COAL , good	0	8 $\frac{1}{2}$				
Band ...	0	0 $\frac{1}{2}$				
COAL , good	0	2 $\frac{1}{2}$				
	—	0	2	8		
		—	3	4	4	
Carried forward			26	1	7	

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			26	1	7	
Strata	4	4	4			
<i>Brockwell Seam—</i>						
	Ft.	In.				
COAL ...	0	6 $\frac{1}{2}$				
Clay stone band	0	7				
COAL ...	0	4				
Band ...	0	2 $\frac{1}{2}$				
COAL ...	2	1				
Splint ...	0	4				
	—	0	4	1		
		—	5	2	5	
Fire clay	0	1	4			
	Ft.	In.				
COAL ...	0	6				
Fire clay ...	0	2 $\frac{1}{2}$				
COAL ...	0	2				
Fire clay ...	0	6				
	—	0	1	4 $\frac{1}{2}$		
		—	0	2	8 $\frac{1}{2}$	
Total			*32	0	8 $\frac{1}{2}$	

* Approximate sea level 307 $\frac{2}{3}$ feet below this.

No. 948.—GARESFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 56' 0", Long. 1° 46' 58".

An Account of Strata sunk through in the Chopwell Bute Pit, Garesfield Colliery, by Samuel Coxon. 1867.

Approximate surface level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel, including out-set	2	0	0				Brought forward	3	0	0	21	3	2
COAL—Towneley Seam (outcrop)							Blue metal, with iron girdles	0	2	0			
Fire clay	0	3	0	2	3	0	Three-Quarter Seam—						
Mixed post	3	0	4				COAL, good	1	7½				
COAL	0	0	9	3	1	1	Stone band...	0	1				
Clay	0	2	11				COAL, good	0	8½				
White post	4	3	0				Stone band...	0	0½				
COAL—Tilley Seam	0	1	8	5	1	7	COAL, good	0	2½				
Good fire clay	0	2	0					0	2	8	3	4	8
Blue metal, with iron girdles	1	4	4				Thill	0	1	0			
COAL	0	0	2	2	0	6	Blue and grey metal	1	3	4			
Fire clay	0	1	6				Black stone and splint	0	0	8			
Blue metal, with iron catheads	1	0	0				Post	0	0	4			
Bastard whin	0	2	0				COAL	0	0	4	1	5	8
Strong grey metal, with post girdles	0	5	3				Thill	1	0	0			
Strong post	0	0	9				Strong grey metal	0	2	9			
Soft blue metal stone	0	3	10				Iron girdle	0	0	7			
COAL—Stone Coal Seam	0	2	6	3	3	10	Strong grey metal	0	3	4			
Good fire clay	0	1	6				Iron girdle	0	0	4			
Fire clay, with cat-heads	0	1	0				Grey metal	0	1	8			
Blue metal, with whin and iron balls	3	0	0				Bastard whin	0	0	8			
Whin	0	1	6				Grey metal, with post girdles	0	4	8			
Strong blue metal, with iron balls	0	4	0				Brockwell Seam—						
COAL—5¼ Seam	0	3	2	4	5	2	COAL	0	6½				
Good fire clay	0	0	10				Clay band	0	7				
Thill	0	2	2				COAL	0	4½				
Post	0	1	4				Black stone	0	2½				
Grey metal, with strong post girdles	0	3	3				COAL	1	11½				
Post and whin	0	1	7				Splint	0	4				
Blue metal	0	2	8					0	4	0	4	0	0
Soft blue and black stone, with iron girdles	1	0	2				Good fire clay	0	1	4			
Carried forward	3	0	0	21	3	2	COAL, coarse	0	0	5			
							Clay band	0	0	3			
							COAL	0	0	2	0	2	2
							Strong clay, with cat-heads	0	1	7			
							Strong white post	1	0	3			
							Brown whin	0	2	3			
							Grey metal	1	0	0			
							Blue metal	0	2	6	3	0	7
							Total				*34	4	3

* Approximate sea level 311¾ feet below this.

No. 949.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Strata sunk through in the West of Anne Pit, Garmondsway Moor Colliery, near Bishop Middleham. 1837-8.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	...	...	1	5	0	Brought forward	...	...	...	64	1	11
Soil	...	...	0 1 0				Thill	...	...	0 2 0			
Clay	...	...	4 2 6				Grey metal	...	...	0 4 1			
Yellow limestone	...	18	5 4				Strong white post	...	...	0 1 6			
Brown limestone	...	6	3 0				Grey post	...	...	1 0 8			
Blue limestone	...	1	5 0				COAL	...	...	0 4 10			
Blue and brown lime-											3	1	1
stone, mixed	...	2	1 6				Thill	...	...	0 1 0			
Blue limestone	...	16	2 8	50	3	0	Grey metal	...	...	5 3 0			
							COAL	...	...	0 0 10			
Blue metal	...	0	5 9								5	4	10
COAL	...	0	1 0				Stone	...	...	0 0 2			
				1	0	9	COAL	...	...	0 0 10			
Blue metal	...	1	5 9								0	1	0
White post	...	2	4 6				Black stone	...	...	0 0 6			
Grey and black metal	...	2	2 6				COAL	...	...	0 2 4			
Black stone	...	0	4 0								0	2	10
Post girdle	...	0	1 0				Black stone	...	...	0 0 4			
Grey metal	...	0	5 6				COAL	...	...	0 1 7			
COAL	...	0	1 6								0	1	11
				9	0	9	Blue metal	...	...		0	4	9
Grey metal	...	1	3 10										
COAL	...	0	0 7										
				1	4	5							
Carried forward				64	1	11	Total	...	...		75	0	4

No. 950.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring in Garmondsway Moor Estate, about half a mile South of the Pit. March 24th, 1840.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0 1 5				Brought forward	18	0	0			
Limestone ramble	...	1	4 0				Strong white lime-						
Strong brown lime-							stone, with a strong						
stone, with water...	16	0	7				feeder of water	...	7	0	0		
Carried forward	18	0	0				Carried forward	25	0	0			

No. 950.—GARMONDSWAY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	25	0	0				Brought forward				55	1	2
Brown limestone, very strong the last 5 feet (through June 13th, 1840) ...	2	4	0				Strong grey metal stone ...	1	3	6			
Dark grey stone ...	0	2	0				Strong white post ...	0	3	0			
Brown post ...	0	5	6				Whin ...	0	3	4			
Dark grey post ...	0	4	0				Grey metal stone ..	3	0	0			
Red and grey post ...	4	2	0				Strong white post ...	0	3	1			
Red and grey metal... ..	0	5	0				Whin ...	0	0	5			
Red and grey post ...	1	1	4				Strong white post, mixed with whin (got 8th August, through 22nd) ...	1	1	0			
Black metal ...	0	0	6				Grey post ...	0	4	0			
Grey metal stone ...	4	0	3				White post, mixed with whin ...	0	2	2			
Post girdles ...	0	2	0				Grey metal stone, with post girdles ...	1	3	5			
Grey metal stone ...	0	1	0				Black metal ...	0	0	3			
Black metal stone ...	0	1	0				Grey metal stone, with post girdles ...	1	5	0			
Grey metal ...	1	2	4				Grey post ...	1	1	8			
							Grey metal stone ...	0	2	3			
COAL , tender	1	8					COAL , foul... ..	0	0	6			
Grey metal ...	0	7					Grey metal ...	0	5	10			
COAL ...	0	6					Ironstone girdle ...	0	0	6			
							Grey metal ...	0	4	5			
				42	3	8	Grey post ...	0	1	0			
Dark metal, with scares of coal ...	0	0	10				Grey metal ...	0	1	0			
Grey metal stone, with post girdles ...	1	2	0				Grey post ...	0	1	0			
Grey post, mixed with whin and water ...	0	2	5				Strong white post ...	0	1	6			
Grey metal stone ...	2	0	6				Grey post ...	0	1	6			
Black metal ...	0	0	3				White post, mixed with whin ...	0	1	7			
Grey metal, with post girdles ...	2	0	3				Soft grey post, inclining to metal stone...	0	2	6			
							White post ...	0	0	10			
COAL , tender	2	6					Grey metal ...	0	0	6			
COAL , foul... ..	0	9					Black metal ...	0	0	4			
				6	3	6	COAL ...	1	5				
Dark grey metal ...	0	2	0				COAL , slaty	0	1				
Grey metal stone ...	4	3	0				COAL , coarse and tender...	2	9				
Black metal ...	0	0	9										
COAL ...	0	0	7										
Black and grey metal, with scares of coal	0	3	8								18	0	4
Ironstone girdle ...	0	0	6				Grey metal ...	0	1	0			
Black metal ...	0	0	6				Grey metal stone, with strong post girdles	1	2	3			
COAL ...	0	0	4								1	3	3
Grey metal ...	0	0	2										
COAL ...	0	0	6										
				6	0	0							
Carried forward				55	1	2	Total ...				74	4	9

No. 951.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the second Hole, in Garmondsway Estate. 1840.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Clay	1	5	6			
Limestone ramble ...	0	4	0			
Marly limestone ...	18	1	0			
Strong white lime- stone, with water (25 fathoms 3 feet from the top) ...	10	0	6			
Brown limestone ...	2	1	0			
Brown limestone, ra- ther soft	4	2	6			
White limestone ...	1	4	0			
Yellow limestone ...	0	3	0			
Sand	0	0	4			
Brown limestone ...	2	5	8			
Grey metal stone ...	0	1	10			
Brown post, with water	1	5	0			
Grey metal	0	2	4			
Red and grey metal...	2	1	0			
Red and grey post ...	3	0	0			
Grey metal stone, with ironstone girdles ...	5	5	4			
Grey post	0	5	5			
Grey metal stone ...	0	5	5			
White post, mixed with whin	0	3	1			
Grey metal stone, with post girdles	1	1	3			
COAL , strong, and very good (<i>supposed</i> <i>5/4 Seam</i>)	0	3	9	60	3	5
Grey metal stone ...	1	2	0			
Grey post, mixed with whin	1	4	9			
Carried forward	3	0	9	60	3	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	9	60	3	5
Grey metal stone ...	1	0	9			
Dark metal stone ...	1	0	0			
Grey metal stone ...	1	0	2			
Dark metal	0	0	4			
COAL	1	2				
Dark metal	3	7				
COAL	1	3				
	1	0	0			
Grey post	0	5	0	7	2	0
Strong white post ...	5	5	0			
Strong white post, mixed with whin ...	0	3	11			
COAL , soft... ..	0	6				
Grey metal	1	3				
COAL , strong ...	1	1				
	0	2	10			
Grey metal stone, with post girdles	6	1	1	7	4	9
COAL , good	1	7				
Grey metal	0	3				
COAL , strong good	2	3				
COAL , coarse ...	1	1				
	0	5	2			
Grey metal	1	0	0	7	0	3
Grey metal stone, in- clining to post ...	0	1	0			
				1	1	0
Total				83	5	5

No. 952.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Strata bored into below the Harvey Seam, 700 yards North-west of Garmondsway Moor Shaft. Commenced August 26th, 1846.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill stone ...	1	0	11				Brought forward	0	3	6	17	4	11½
Grey post stone ...	0	4	11				Dark blue stone ...	0	1	7			
Grey metal ...	0	3	6										
Post girdles ...	0	1	0				COAL ...						
Blue metal ...	0	1	7				Thill stone ...						
Post girdles ...	0	0	9				COAL ...						
Grey metal and post													
girdles ...	1	0	1										
Black stone ...	0	1	8				Thill stone ...						
COAL ...	0	0	3				COAL ...						
Black stone and coal	0	2	4				Thill stone ...						
Thill stone ...	0	3	8				COAL ...						
Post girdles ...	0	2	6½				Hard grey post						
Grey metal ...	0	0	7				White post ...						
Post ...	5	5	9				Grey metal ...						
Grey metal and iron							Black stone ...						
girdles ...	2	4	10½				Grey metal ...						
Soft blue metal ...	0	3	1½				Black stone ...						
Grey metal ...	0	0	10				COAL ...						
Blue metal ...	0	0	3				Black stone ...						
Hard grey metal ...	0	2	6½				Grey post ...						
Post girdles ...	0	0	6				Blue metal ...						
Grey metal and post							Grey post ...						
girdles ...	1	0	5				COAL ...						
Blue metal ...	0	3	3				Grey metal ...						
							COAL ...						
COAL ...							Grey post ...						
Mild thill stone							COAL ...						
COAL ...							Thill stone ...						
							White post ...						
Thill stone ...													
Carried forward							Total ...						

No. 953.—GATHERICK.

TOWNSHIP OF BARMOOR, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40' 8", Long. 1° 4' 57".

Section of Strata sunk through to the Bulman or Main Coal Seam, at Gatherick Colliery. September 15th, 1819.

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Setting, being soil and							Brought forward	4	2	0			
clay ...	1	3	0				White freestone ...	2	5	0			
Freestone banks ...	2	5	0				Grey freestone ...	4	4	6			
Carried forward	4	2	0				Carried forward	11	5	6			

No. 955.—GIBSIDE.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 29", Long. 1° 43' 32".

Account of Borings at Gibside, to determine the Foundation of the Hall.
No. 1 Hole.—Front of the Hall.

Approximate surface level 148 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	...	...	1	3	4			
Quicksand (water at top)	...	...	...	...	1	4	0			
Tumbling stone	...	...	...	...	0	1	2			
Loamy sand	...	...	...	...	0	3	6			
								4	0	0
Total	...	...	...	...				*4	0	0

* Approximate sea level 124 feet below this.

No. 956.—GIBSIDE.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 27", Long. 1° 43' 31".

No. 2 Hole bored at Gibside.—Back Side of Hall.

Approximate surface level 175 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.	Ft.	In.	Fs.	Ft.	In.
Forced metal	...	...	...	1	4	0				Brought forward	6	5	11						
Sand and gravel	...	...	...	1	1	6				Tumbling stone	...	0	0	9					
Quicksand (water at bottom)	...	...	...	0	4	6				Blue clay	...	0	5	0					
Clay	...	...	...	2	2	0				Tumbling stone	...	0	1	5					
Tumbling stone	...	...	...	0	0	11				Blue clay	...	1	1	11			9	3	0
Strong blue clay	...	...	...	0	5	0													
Carried forward				6	5	11				Total	...						*9	3	0

* Approximate sea level 118 feet below this.

No. 957.—GORDON GILL.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 9", Long. 1° 46' 36".

Sunk in the Providence Pit, at Gordon Gill. 1834.

Approximate surface level 500 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	4	0	0				Brought forward	6	2	0						
Loose gravel	...	...	...	0	4	0				Strong stony gravel	...	1	0	0					
Strong brown clay	...	...	...	1	4	0				Yellow metal	...	2	3	0					
Carried forward				6	2	0				Carried forward	9	5	0						

No. 957.—GORDON GILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	0				Brought forward	1	1	10	20	1	8
Blue metal ...	3	1	3				Blue and grey metal	2	5	6			
Black metal ...	0	4	0				COAL ...	0	0	6			
COAL ...	0	0	2								4	1	10
				13	4	5	Thill ...	0	5	0			
Thill ...	0	5	6				White post ...	0	1	9			
White post ...	0	4	2				Grey beds ...	0	4	10			
Grey metal ...	2	5	0				White post ...	1	0	0			
White post ...	0	1	0				Grey beds ...	1	3	2			
Coal metal ...	0	5	4				White post ...	0	5	2			
COAL —5/4 Seam ...	0	3	11				Grey metal ...	0	2	5			
				6	0	11	Coal metal ...	1	0	6			
Thill ...	0	1	2				Main Coal Seam—						
COAL ...	0	1	2				COAL ,cannel	Ft. In.					
				0	2	4	COAL ...	5 10					
Thill ...	0	4	10						1	0	8		
White post ...	0	3	0								7	5	6
Carried forward	1	1	10	20	1	8	Total ...				32	3	0

No. 958.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of a Boring in the North Pit, at Haddrick's Mill. 1738.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In catheady metal and foul coal ...	0	3	0				Brought forward	5	4	0	5	3	0
Grey and blue metal, with some small gir- dles and catheads, and a small seam of coal at the bottom	5	0	0				Black slaty metal, mixed with coal ...	0	0	4			
				5	3	0	COAL and water ...	0	0	10			
Grey and blue metal, with catheads ...	2	3	0								5	5	2
White and grey post girdles, with scamy partings and water, which ran to the top of the hole...	2	5	0				Black slaty metal, mixed with coal ...	0	0	2			
Black and grey scamy metal ...	0	2	0				Grey and blue metal stone, with catheads or girdles ...	0	4	6			
							White post, with grey partings and water	1	3	0			
Carried forward	5	4	0	5	3	0	Grey and black me- tally stone...	0	2	0			
							White and grey metal stone ...	2	3	0			
							Grey and blue metal, with catheads ...	1	5	0			
							Black metal ...	0	0	4			
							Carried forward	7	0	0	11	2	2

No. 958.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	0	11	2	2	Brought forward				20	0	2
Yard Seam—							Grey metal stone ...	0	3	0			
COAL, with							White and grey post,						
a small mix- Ft. In.							with some mixture						
ture of metal 0 10							of whin with scamy						
Black slaty							partings ...	3	1	6			
metal, with a							Blue metal ...	0	1	0			
small mix-							COAL ...	0	0	7			
ture of coal 0 7											4	0	1
COAL, with							Grey metally stone ...	0	5	0			
water ... 0 9							Blue metal ...	0	1	6			
	0	2	2				Black stone ...	0	4	6			
				7	2	2	COAL ...	0	0	2			
Black and grey metal	0	0	4				Black stone ...	0	1	6			
Black and grey metal,							Grey metal stone, with						
with girdles or cat-							grey post girdles ...	4	0	0			
heads ... 1 1 0											6	0	8
COAL ... 0 0 6													
				1	1	10							
Carried forward				20	0	2	Total ...				30	0	11

No. 959.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 27", Long. 1° 36' 18".

Borings at South Gosforth in search of the Main Dyke.—First Hole about 250 yards N.E. by E. from Gosforth Church.

Approximate surface level 194 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	5	9	13	0	0
Brownish clay, with							Blue grey metal and						
whin tumblers ...	0	2	0				metal — ...	0	5	3			
Blue stony clay ...	12	3	0										
				13	0	0	COAL ...						
Blue grey metal, with							Grey metal,						
metal stone girdles							mixed with						
near the bottom ...	2	4	6				coal ...	0	7				
Blue grey metal stone	0	2	3								0	1	3
Strong white post ...	1	5	0										
							In grey metal ...				6	0	3
											0	0	9
Carried forward	4	5	9	13	0	0	Total ...				*19	1	0

* Approximate sea level 79 feet below this.

No. 960.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 28", Long. 1° 36' 18".

*The second Hole bored at South Gosforth, 30 yards North from the first.
January 16th, 1817.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	12	1	0			
Brown clay, with two thin beds of sand ...	0	3	0				Rambly metal, mixed with clay	1	1	0			
Sand and gravel, with water	0	2	0				Grey, brown, and green scared post (and set away the water at 14 fathoms 1 foot)	2	0	0			
Blue stony clay ...	9	0	0				Grey metal	0	2	8			
Mixture sand and loamy clay... ..	0	1	0				COAL	0	0	9			
Strong stony clay ...	0	3	0				Grey metal	0	0	9			
Sandy clay	1	3	0								16	0	2
Carried forward	12	1	0				Total				*16	0	2

* Approximate sea level 99 feet below this.

No. 961.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Long. 55 0' 29", °Lat. 1° 36' 18".

*The third Hole bored at South Gosforth, 15 yards North from the second.
February 5th, 1817.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	2	2	0	12	2	0
Yellowish clay ...	0	1	6				White post	0	2	0			
Sand, with water ...	0	2	0				Grey metal	0	4	0			
Strong stony clay ...	11	3	6				COAL	0	0	9			
				12	2	0					3	2	9
Sand, with scares of clay	0	2	0				In grey metal				0	0	9
Brown and grey rambly scared post (and set away water at 13 fathoms) ...	2	0	0										
Carried forward	2	2	0	12	2	0	Total				*15	5	6

* Approximate sea level 99½ feet below this.

No. 962.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. $55^{\circ} 0' 30''$, Long. $1^{\circ} 36' 18''$.

*The fourth Hole bored at South Gosforth, 40 yards North from the third.
February 17th, 1817.*

Approximate surface level 192 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	1	0	13	1	0
Yellowish clay ...	0	4	0				Grey metal, with scares						
Sand, with water ...	1	2	0				of red post ...	0	4	0			
Strong stony clay ...	11	0	0				Grey metal stone, with						
				13	1	0	some small scares of						
Grey metal ...	0	0	4				coal ...	2	2	0			
Red and grey metal,							Strong yellow and red						
with a scare of coal							post ...	0	3	6			
in middle ...	0	2	0								5	4	6
Brown, red, and yellow													
broken post, mixed													
with metal and clay													
and some scares of													
coal ...	1	4	8										
Carried forward	2	1	0	13	1	0	Total ...				*18	5	6

* Approximate sea level $78\frac{1}{2}$ feet below this.

No. 963.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of Boring in the Dean or Engine Pit, South Gosforth. 1817.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to Thill of <i>Main</i>							Brought forward				33	1	6
Coal ...	28	0	0				Grey metal ...	0	2	0			
Sunk below <i>High</i>							Grey metal stone, with						
<i>Main</i> Coal ...	0	3	0				girdles ...	2	2	0			
Box ...	0	1	6				Dark grey metal, with						
Grey metal stone, with							scares of coal ...	0	3	0			
girdles ...	1	3	6				Strong white post,						
Black slaty metal ...	0	2	0				with water ...	0	5	6			
Grey metal stone, with							Grey metal ...	1	1	6			
girdles ...	2	2	0				Dark grey metal ...	0	1	0			
COAL— <i>Metal</i> Coal	0	1	6										
				33	1	6							
Carried forward				33	1	6	Carried forward	5	3	0	33	1	6

No. 963.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	0	33	1	6
COAL (probably <i>Stone Coal</i>) ...	0	1	2			
				5	4	2
Dark grey metal stone	0	0	6			
Grey metal stone, with post girdles ...	1	0	10			
Dark grey and black metal ...	0	2	0			
Grey metal stone, with post girdles ...	4	0	5			
Grey metal, with iron- stone girdles ...	1	0	0			
COAL , with water at top ...	0	0	9			
Black and dark grey metal, scared with <i>coal</i> ...	0	0	11			
COAL ...	0	0	4			
				6	5	9
Blue metal ...	0	2	10			
Grey metal stone, with post and whin girdles ...	2	1	0			
Black metal, mixed with <i>coal</i> ...	0	0	6			
Strong white post, with water ...	1	0	0			
Grey post, with water	0	1	6			
Strong white post, with whin ...	0	4	5			
Grey metal stone ...	1	0	4			
Black metal, scared with <i>coal</i> ...	0	0	2			
COAL , with water...	0	0	7			
				5	5	4
White post, with water ...	0	4	11			
Blue metal ...	0	2	0			
Black and dark grey metal and water ...	0	2	6			
Blue metal, with water (which rose to the top) ...	1	0	10			
Grey and white post, with beds of metal stone and water ...	3	0	0			
Grey metal, with iron- stone balls...	0	4	0			
<i>Bensham Seam</i> —						
COAL , with Ft. In. water ...	1	9				
Hard blue grey band	0	2				
COAL ...	0	4				
COAL , coarse slaty ...	0	1				
				0	2	4
				6	4	7
Carried forward				58	3	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				58	3	4
Grey metal, with water ...	0	2	0			
Grey thready post, mixed with whin and much water ...	0	0	6			
Grey metal stone, in- clining to post ...	2	3	6			
Strong white post, mixed with whin, and whin girdles near the bottom ...	3	1	2			
Whin ...	1	0	0			
Strong white post, with whin girdles...	5	4	0			
Dark grey metal stone, with girdles ...	1	2	0			
Bluish white and white post, with some whin girdles ...	2	4	3			
Dark grey metal stone	0	1	6			
Black metal ...	0	0	8			
COAL , with water (rather tender and splinty near the top) ...	2	7				
Hard band ...	0	1				
COAL , with a hard lump in the middle...	0	6				
				0	3	2
				17	4	9
Grey post, scared with <i>coal</i> ...	0	0	2			
Strong white post ...	1	5	3			
Whin, with partings of post ...	1	0	0			
Strong grey metal stone, with whin girdles ...	2	4	6			
<i>Low Main Seam</i> —						
COAL , rather ten- der and coarse near the top, with water and a little sulphur, and burns to white ash ...	0	4	5			
				6	2	4
Grey metal, mixed with <i>coal</i> ...	0	0	3			
COAL , coarse, with bands ...	0	1	0			
COAL ...	0	0	9			
Grey metal ...	0	1	1			
COAL , with water...	0	1	0			
COAL , with bands of metal ...	0	2	2			
Blue metal ...	0	0	2			
White post ...	0	2	8			
				1	3	1
Carried forward				82	4	5

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Softish blue metal ...	1	3	1	82	4	5	Grey metal ...	1	5	2	82	4	5
Black slaty stone ...	0	1	0				Dark grey metal stone	0	0	4			
COAL, foul, with sulphur ...	0	0	6					0	4	7			
											2	4	1
Carried forward	1	5	2	82	4	5	Total ...				85	2	6
Sunk							Fs.	Ft.	In.				
Bored							28	0	0				
							57	2	6				
Total							85	2	6				

No. 964.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 36", Long. 1° 36' 3".

Account of Hole bored at Gosforth Colliery, on the South side of the Ouseburn, 100 yards East of Salter's Bridge. April 11th, 1820.

Approximate surface level 150 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	1	6										29	4	8½
Gravel and water	...	...	0	1	6												
Blue clay	...	...	9	2	0												
Burnt kind of red, green, and grey soft freestone	...	...	2	3	0												
Blue metal	...	...	0	1	1												
COAL—¾ Seam	...	...	0	1	5												
						12	4	6									
Thill	...	...	0	4	8												
Blue metal	...	...	1	3	1												
Grey metal post	...	...	0	3	6												
Blue metal	...	...	1	1	3												
Grey post	...	...	0	1	8												
Brown post (water set away)	...	...	2	4	0												
White post	...	...	0	3	8												
Brown post	...	...	1	1	9												
White post	...	...	1	2	8												
COAL	...	...	0	0	6												
						10	2	9									
Black stone	...	...	0	0	8												
Blue metal	...	...	1	2	8												
Grey metal post	...	...	0	1	5												
			1	4	8				*								
Blue metal	...	...	0	3	0												
Post girdle	...	...	0	0	9												
Strong blue metal	...	...	0	4	7												
Post girdle	...	...	0	1	8												
White post	...	...	0	0	11												
Black stone	...	...	0	0	1½												
Post	...	...	1	0	5												
Black stone	...	...	0	0	4												
COAL	...	...	0	0	3												
						6	3	5½									
Carried forward						29	4	8½									

			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward								
Thill	...	...	0	1	2			
Post	...	...	0	1	7			
Whin	...	...	0	1	1½			
Post	...	...	0	4	4			
Blue metal	...	...	0	3	6			
Black stone	...	...	0	0	4			
Thill	...	...	0	0	10			
Blue metal	...	...	2	3	2			
Whin	...	...	0	0	6			
Blue metal	...	...	0	0	4			
White post	...	...	0	0	3			
Black metal	...	...	0	0	5			
Post	...	...	0	2	5			
Blue metal	...	...	0	5	1½			
Whin	...	...	0	1	2			
Black stone	...	...	0	1	6			
Blue metal	...	...	1	1	0			
Black stone	...	...	0	1	0			
Thill	...	...	0	1	1			
Blue metal	...	...	0	3	8			
Grey metal	...	...	0	2	4			
Post, with water	...	...	1	1	9			
Blue metal	...	...	0	0	4½			
Post girdle	...	...	0	0	9			
Grey metal	...	...	0	2	5			
Post	...	...	0	2	8			
Grey metal	...	...	1	1	4			
Blue metal	...	...	1	2	3			
Post	...	...	0	4	8			
In grey metal	...	...	2	2	5			
						17	1	5½
Total	...	...				47	0	2

* Approximate sea level (Ordnance datum).

No. 965.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 36' 7".

Boring in a Quarry, near Gosforth New Winning, to let the water down into the Main Coal Waste. Begun July 8th, and finished November 26th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Post ...	1	4	0				Brought forward	10	5	11	2	0	0
COAL— $\frac{3}{4}$ Seam ...	0	2	0				70-Fathom Post—						
				2	0	0	{ Brown post ...	3	2	0			
Soft grey metal ...	6	4	0				{ White post ...	2	5	0			
Black stone ...	0	5	0				Black stone ...	3	0	0			
Brown post ...	0	3	0				Post—Main Post ...	7	1	9 $\frac{1}{4}$			
White post ...	0	4	0								27	2	8 $\frac{1}{4}$
Whin ...	0	2	6				COAL—High Main						
Thill ...	1	4	3				Waste.						
Whin ...	0	1	2										
Carried forward	10	5	11	2	0	0	Total ...				29	2	8 $\frac{1}{4}$

The Main Post was so hard here that 60 shifts (of 12 hours) were employed in passing through it; the greatest length bored in one shift was 23 inches, the least $2\frac{1}{4}$ to 3, and the average was 9 inches per shift. The chisels were generally changed at the end of each inch.

No. 966.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Mary Pit, up to the time when abandoned on October 22nd, 1824. Begun August 24th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	14	3	1			
Blue stony clay ...	11	4	0				Blue metal ...	0	2	0			
Soft blue metal stone							COAL ...	0	0	9			
and post ...	1	5	1								14	5	10
Broken reddish post							Thill ...	0	3	6			
and water ...	0	5	0				In post ...	2	1	4			
											2	4	10
Carried forward	14	3	1				Total ...				17	4	8

No. 967.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Gosforth New Winning.—Strata sunk through in the Fanny Pit up to the time when abandoned, November 13th, 1824, on account of the enormous quantity of water.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	16	0	6			
Stony clay	11	5	6				Strong post and metal						
Blue metal	2	2	0				partings	2	3	0			
Blue metal and post							COAL	0	0	9			
girdles	1	4	0								18	4	3
							Grey thill	0	4	3			
							Blue metal	2	3	10			
											3	2	1
Carried forward	16	0	6				Total				22	0	4

No. 968.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 29", Long. 1° 36' 6".

Account of Strata sunk through at East Pit, Gosforth Colliery. 1827.

Approximate surface level 158 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	7	1	10				Brought forward	1	2	9	19	5	4
Grey seggar clay or							Black metal	0	0	6			
thill	0	4	0				Grey post	1	0	8			
Grey metal stone,							Grey shivery post ...	0	2	9			
mixed with grey							Black stone	3	1	8			
post	4	1	0				COAL	0	0	4			
Black metal	0	3	0					0	0	8			*
COAL	0	0	9				Thill (Main)	0	0	8			
				12	4	7	Post—Main Post ...	7	4	8			
Thill, scared with							Post in baulks, being						
black stone at bot-							High Main Waste	0	4	0			
tom	1	1	0								15	0	8
Grey metal stone, with							Thill	0	0	6			
post girdles	1	5	10				COAL , coarse—						
Brown post	2	2	10				Ground Coal	0	2	3			
Grey metal, with scamy											0	2	9
post girdles	1	0	6				Thill	0	3	0			
Blue metal	0	2	1				Grey metal stone, with						
COAL	0	0	6				water	4	0	10			
				7	0	9	Black metal	0	0	6			
Thill	0	2	1				Grey metal	0	5	1			
Grey metal stone ...	0	3	2				COAL —Metal Coal	0	1	5			
Grey scamy post ...	0	3	6								5	4	10
Carried forward	1	2	9	19	5	4	Carried forward				41	1	7

* Approximate sea level (Ordnance datum).

No. 968.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				41	1	7
Thill ...	0	2	3			
Grey metal ...	0	2	0			
Grey scamy post, with water ...	1	1	4			
Black metal, with a little water at bottom ...	1	3	2			
Grey post, with a little water at bottom ...	0	2	4			
Black metal ...	0	0	5			
COAL — <i>Stone Coal</i>	0	1	4			
				4	0	10
Thill ...	0	0	8			
Dark grey post ...	0	3	4			
Black metal ...	0	0	6			
White post ...	1	3	4			
Mixture of black metal and coal ...	0	0	2			
Grey metal ...	0	1	1			
White post ...	0	2	10			
Grey metal and metal stone ...	2	5	4			
Black metal ...	0	0	4			
COAL ...	0	0	10			
Grey metal ...	0	1	0			
COAL ...	0	0	5			
Thill ...	0	1	10			
Dark grey post, mixed with blue metal ...	1	4	0			
Strong white post, with a little water	3	2	7			
<i>Yard Seam</i> —	Ft.	In.				
COAL , coarse	1	3½				
Hard grey metal ...	1	0				
COAL , coarse	0	10½				
				12	1	5
Stone, scared with post	0	5	9			
Black metal ...	0	3	8			
COAL , slaty ...	0	0	2			
Thill ...	0	0	8			
Grey metal stone ...	0	3	10			
Grey metal and grey post girdles, with ironstone bands ...	2	3	2			
Grey metal stone, with balls of ironstone ...	1	5	2			
<i>Bensham Seam</i> —						
COAL ...	Ft.	In.				
Black slate, mixed with coal and water ...	0	2				
COAL ...	0	8				
				7	0	11
Carried forward				64	4	9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				64	4	9
Thill ...	0	1	6			
Grey post, with black metal ...	14	1	0			
Dark grey metal, with post girdles ...	5	2	5			
Black metal ...	0	0	2			
<i>*Five-Quarter Seam</i> —						
COAL ...	Ft.	In.				
Grey metal ...	0	1½				
COAL ...	1	0				
				0	2	2
				20	1	3
Grey metal stone and post girdles ...	3	0	3			
COAL , coarse slaty	0	0	8			
Grey metal stone, with post girdles ...	8	2	10			
Black metal ...	0	1	5			
COAL , very tender—						
<i>Low Main</i> ...	0	0	8			
				11	5	10
Grey metal stone ...	5	4	9			
Greenish post, very hard ...	15	0	10			
Blue metal, with dark post ...	0	0	6			
White post ...	3	4	10			
Blue metal ...	1	3	1			
COAL ...	0	0	2			
Blue and black metal	0	3	9			
COAL ...	0	0	3			
Slaty blue metal ...	0	2	0			
Post girdles, with metal partings ...	1	2	2			
Blue metal ...	0	4	0			
COAL — <i>Beaumont Seam</i> ...	0	1	10			
				29	4	2
Blue metal, with thin girdles ...	1	0	3			
White post ...	0	5	0			
COAL ...	0	0	11			
Blue metal stone ...	0	4	6			
White post ...	0	2	0½			
Blue metal stone ...	1	1	2			
COAL ...	0	0	3½			
Soft grey post, with metal layers ...	2	2	8			
Hard white post ...	1	2	0			
COAL , very soft and coarse ...	0	1	1			
Thilly grey metal ...	0	2	0			
COAL ...	0	0	8			
Dark grey metal stone	2	3	0			
White post ...	1	5	9			
COAL ...	0	0	2			
Carried forward	13	1	6	126	4	0

* Proved afterwards to be the *Low Main Seam*.—S. C. CRONE.

No. 968.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	1	6	126	4	0
Thill ...	0	2	7			
COAL, very coarse						
and slaty ...	0	0	5			
Blue metal stone ...	1	4	6			
COAL—Denton Low						
Main ...	0	2	8			
				15	5	8
Thill ...	1	2	11			
COAL, very coarse...	0	0	5½			
Grey metal stone, with						
post girdles near the						
bottom ...	1	0	9½			
COAL ...	0	0	1			
Grey metal stone, with						
post girdles ...	1	0	5			
COAL ...	0	1	1			
Grey metal stone ...	3	0	5			
Hard white post ...	3	5	0			
Dark blue metal ...	0	3	2			
Grey shivery post, with						
metal partings ...	1	0	4			
Dark blue metal ...	0	2	6			
Probable Denton Low						
Main Seam—						
	Ft.	In.				
COAL ...	1	5				
Brown band	0	2½				
COAL ...	0	7				
			0	2	2½	
				13	1	4½
Grey metal stone ...	0	5	2			
COAL ...	0	0	1			
Grey metal ...	0	3	6½			
COAL ...	0	0	3			
Grey shivery post, with						
metal partings ...	1	3	4			
Grey metal ...	0	3	6			
COAL ...	0	0	1			
Carried forward	3	3	11½	155	5	0½

	Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward	3	3	11½	155	5	0½			
Grey metal ...	0	2	2						
COAL ...	0	0	8						
Grey metal ...	0	3	9						
COAL ...	0	0	7						
Dark grey metal stone	1	0	9						
Brockwell Seam—									
		Ft.	In.						
COAL ...		1	11						
Brown band		0	8						
COAL ...		1	5						
				0	4	0			
						6	3	10½	
Grey metal ...	0	5	1½						
COAL ...	0	0	3½						
Grey metal ...	0	1	11						
White post ...	7	2	8						
Blue metal ...	0	2	0						
COAL ...	0	1	3						
Blue and grey metal									
stone, with post gir-									
dles ...	2	4	3						
White post, with whin	6	1	6						
Blue metal ...	0	5	0						
COAL—Sole of Main									
Drift ...	0	0	3						
							19	0	3
Hard blue metal stone									
and post girdles ...	2	1	10						
White post ...	3	3	5						
COAL ...	0	0	9						
Soft brown metal ...	0	0	7						
COAL ...	0	0	8						
Black slaty metal ...	0	0	3						
Grey metal stone ...	0	0	9						
Grey post ...	0	0	9						
In grey metal stone...	1	0	9						
							7	3	9
Total ...							189	0	11

No. 969.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 29", Long. 1° 36' 7".

Account of Strata sunk through at West Pit, Gosforth Colliery. 1827.

Approximate surface level 158 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	7	1	4				Brought forward	7	5	4			
Grey seggar clay or							Grey metal stone,						
thill ...	0	4	0				mixed with grey post	2	5	7			
Carried forward	7	5	4				Carried forward	10	4	11			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	11			
Black metal	0	3	0			
COAL	0	0	11			
Thill, scared with black stone at bot- tom	1	3	9			
Grey metal stone, with with post girdles ...	1	5	1			
Brown post	2	2	7			
Grey metal, with scamy post girdles	1	2	0			
Blue metal	0	2	1			
COAL	0	0	4			
Thill	0	2	1			
Grey metal stone ...	0	3	1			
Grey scamy post ...	0	3	6			
Black metal	0	0	6			
Grey post	0	5	10			
Grey shivery post ...	0	3	0			
Black stone	3	3	11			
COAL	0	1	0			
Thill (Main)	0	1	0			
Post— <i>Main Post</i> ...	0	1	5			
	7	3	5			*
Post in baulks, being <i>High Main Waste</i>	0	4	0			
				34	3	5
Thill	0	0	6			
COAL , coarse— <i>Ground Coal</i>	0	2	3			
				0	2	9
Thill	0	3	0			
Grey metal stone, with water	4	1	7			
Black metal	0	0	5			
Grey metal	0	4	7			
COAL — <i>Metal Coal</i>	0	1	5			
				5	5	0
Thill	0	2	2			
Grey metal	0	2	0			
Grey scamy post, with water	1	0	6			
Black metal, with a little water at bot- tom	1	3	6			
Grey post, with a little water at bottom ...	0	2	10			
Black metal	0	0	8			
COAL — <i>Stone Coal</i>	0	1	5			
				4	1	1
Thill	0	0	9			
Dark grey post ...	0	4	0			
Black metal	0	0	7			
White post	1	2	7			
Mixture of black metal and <i>coal</i>	0	0	3			
Grey metal	0	1	0			
Carried forward	2	3	2	45	0	3

† Proved afterwards to be the *Low Main Seam*.—S. C. CRONE.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		2	3	2	45	0	3
White post ...		0	2	10			
Grey metal and metal							
stone ...		2	5	9			
Black metal ...		0	0	4			
COAL ...		0	0	10			
Grey metal ...		0	0	11			
COAL ...		0	0	5			
Thill ...		0	2	0			
Dark grey post, mixed							
with blue metal ...		1	3	5			
Strong white post,							
with a little water		3	3	4			
<i>Yard Seam—</i>	Ft. In.						
COAL , coarse	1 3						
Hard grey							
metal ...	1 0						
COAL , coarse	0 11						
	—	0	3	2			
					12	2	2
Stone, scared with post		0	5	9			
Black metal ...		0	3	8			
COAL , slaty ...		0	0	3			
Thill ...		0	0	8			
Grey metal stone ...		0	3	10			
Grey metal and grey							
post girdles, with							
ironstone bands ...		2	4	2			
Grey metal stone, with							
balls of ironstone ...		1	4	1			
<i>Bensham Seam—</i>							
	Ft. In.						
COAL ...	1 8						
Black slate,							
mixed with							
coal and							
water ...	0 2						
COAL ...	0 8						
	—	0	2	6			
					7	0	11
Thill ...		0	1	11			
Grey post, with black							
metal ...	13 0						
Dark grey metal, with							
post girdles ...	6 1						
Black metal ...	0 0						
† <i>Five-Quarter Seam—</i>							
	Ft. In.						
COAL ...	1 0½						
Grey metal ...	0 1½						
COAL ...	1 0						
	—	0	2	2			
					20	1	0
Grey metal stone and							
post girdles ...	3 0						
COAL , coarse slaty ...	0 0						
Carried forward		3	0	11	84	4	4

No. 969.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	11	84	4	4
Grey metal stone, with post girdles ...	8	2	2			
Black metal ...	0	2	1			
COAL , very tender						
Low Main Seam ...	0	0	8			
				11	5	10
Grey metal stone ...	5	2	6			
Greenish post, very hard ...	15	3	1			
Blue metal, with dark post ...	0	0	6			
White post ...	3	1	7			
Blue metal ...	1	5	5			
COAL ...	0	0	1			
Blue and black metal	0	3	10			
COAL ...	0	0	3			
Slaty blue metal ...	0	1	10			
Post girdles, with metal partings ...	0	5	11			
Blue metal ...	0	4	0			
COAL —Beaumont Seam ...	0	1	5			
				29	0	5
Blue metal, with thin girdles ...	0	5	5			
White post ...	1	3	8			
COAL ...	0	0	11			
Blue metal stone ...	0	4	6			
White post ...	0	2	5			
Blue metal stone ...	1	0	5½			
COAL ...	0	0	3½			
Soft grey post, with metal layers ...	2	2	6			
Hard white post ...	1	2	11			
COAL , very soft and coarse ...	0	1	0			
Thilly grey metal ...	0	1	6			
COAL ...	0	0	8			
Dark grey metal stone	2	3	0			
White post ...	2	0	3			
COAL ...	0	0	2½			
Thill ...	0	2	8			
COAL , very coarse and slaky ...	0	0	5½			
Blue metal stone ...	1	3	6			
COAL —Denton Low Main Seam ...	0	2	8			
				16	3	0
Thill ...	1	2	10½			
COAL , very coarse...	0	0	5½			
Grey metal stone, with post girdles near the bottom ...	1	0	5			
COAL ...	0	0	1			
Carried forward	2	3	10	142	1	7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	10	142	1	7
Grey metal stone, with post girdles ...	1	0	11			
COAL ...	0	1	2			
Grey metal stone ...	2	5	3			
Hard white post ...	4	0	6			
Dark blue metal ...	0	3	5½			
Grey shivery post, with metal partings	1	0	4			
Dark blue metal ...	0	2	6			
Probable Denton Low Main Seam—						
COAL ...	Ft.	In.				
Brown band	0	2½				
COAL ...	0	7				
				0	2	2½
				13	2	2
Grey metal stone ...	0	5	10			
COAL ...	0	0	1			
Grey metal ...	0	3	10			
COAL ...	0	0	3			
Grey shivery post, with metal partings	1	2	4			
Grey metal ...	0	3	5			
COAL ...	0	0	1			
Grey metal ...	0	2	2			
COAL ...	0	0	8			
Grey metal ...	0	3	3½			
COAL ...	0	0	7½			
Dark grey metal stone	0	5	4			
Brockwell Seam—						
COAL ...	Ft.	In.				
Brown band ...	0	6½				
COAL ...	1	4½				
				0	4	0
				6	1	11
Grey metal ...	0	4	11½			
COAL ...	0	0	3½			
Grey metal ..	0	2	1			
White post ...	7	3	1			
Blue metal ...	0	2	1			
COAL ...	0	1	3			
Blue and grey metal stone, with post girdles ...	2	4	8			
White post, with whin	5	5	11			
Blue metal ...	1	0	0			
COAL —Sole of Main Drift ...	0	0	3			
Hard blue metal stone and post girdles ...	1	2	10			
				20	3	5
Total ...				182	3	1

No. 970.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. About Lat. 54° 46' 0", Long. 1° 32' 2".

Strata bored through near Woodwell House, Grange Estate. June 3rd, 1842.

Approximate surface level about 235 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	...	1	5	0				Brought forward		5	3	10½	6	0	1
Freestone	...	2	3	10				Grey metal	...	3	3	8½			
Grey metal	...	1	2	0				COAL, foul	...	0	4	5			
COAL	...	0	1	3								10	0	0	
					6	0	1	Black stone	...	0	1	0			
Grey metal	...	4	2	6½				Soft blue metal	...	3	2	9			
Grey post	...	1	1	4								3	3	9	
Carried forward		5	3	10½	6	0	1	Total	...			19	3	10	

No. 971.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 2 Hole.—Strata bored through in the Lane Field, on the Grange Estate, by William Coulson. 1842.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	1	0				Brought forward		5	0	10	7	5	0
Yellow clay	...	0	2	0				Grey metal, with post							
Brown clay	...	1	3	0				girdles	...	1	2	0			
Blue clay	...	3	2	0				Strong white post	...	1	0	0			
Sand	...	0	2	8				Post, with metal part-							
Loamy clay	...	1	1	4				ings	...	2	1	7			
Blue clay	...	0	5	0				Grey metal	...	0	3	8			
					7	5	0	Strong post, with							
Grey metal	...	0	3	5				water	...	3	3	8			
Strong white post,								Black stone	...	0	0	9			
with water	...	2	1	8				COAL — Low Main	...	0	1	4			
Grey metal	...	0	2	4								14	1	10	
Grey post	...	0	1	10				Carried forward				22	0	10	
White post, with water		1	3	7											
Carried forward		5	0	10	7	5	0								

No. 971.—GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	0	10	Brought forward	2	3	2	26	5	0
Grey metal, with post							Grey metal ...	0	1	4			
girdles ...	1	0	0				COAL ...	0	0	6			
White post, with water	0	5	5								2	5	0
Grey metal, with post							Grey metal ...	2	1	3			
girdles ...	2	1	3				White post ...	1	0	5			
Dark grey metal ...	0	2	6				Dark grey metal ...	3	0	4			
COAL — <i>Splint Coal</i>	0	1	0					Ft. In.					
				4	4	2	COAL ...	3	10				
Dark grey metal ...	0	2	0				COAL , bottom	0	8				
Dark grey metal, with										0	4	6	
post girdles ...	2	0	2								7	0	6
COAL ...	0	1	0				Into grey metal ...				0	4	6
Carried forward	2	3	2	26	5	0	Total ...				37	3	0

No. 972.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 44", Long. 1° 31' 44".

Strata sunk through in the Grange New Winning. 1844.

Approximate surface level 245 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	10				Brought forward	2	0	1	28	5	0
Clay ...	1	0	0				Grey metal, with post						
White and brown free-							girdles ...	3	0	7			
stone, with partings							COAL — <i>Brass Thill</i>						
and water ...	3	0	0				<i>Seam</i> ...	0	1	4			
Grey metal ...	0	2	0								5	2	0
Black metal ...	0	0	3				Black metal ...	0	0	3			
Dark grey metal ...	2	3	0				Grey metal, with post						
Strong grey metal ..	1	5	0				girdles ...	1	1	2			
Strong grey metal,							COAL ...	0	0	10			
with post girdles ...	1	3	0				Dark grey metal, mixed						
Strong grey post, with							with post ...	0	2	2			
water ...	1	1	0				COAL ...	0	0	8			
Grey metal ...	0	1	3				Strong grey metal,						
Brown freestone, with							with post girdles						
metal partings ...	10	1	8				and water ...	2	4	4			
Strong grey metal ...	1	1	0				Strong white post,						
Strong grey post, with							mixed with whin ...	0	4	3			
water ...	4	0	0				Strong dark grey me-	1	2	4			
Strong grey metal ...	1	0	0				tal, with post girdles	1	3	9			
Black stone or metal	0	0	9				and water ...						
COAL — <i>Low Main</i>	0	3	3										
				28	5	0	<i>Hutton Seam</i> — Ft. In.						
Soft grey metal ...	0	0	6				COAL ...	4	0				
Grey metal, with post							COAL , bottom	1	3				
girdles ...	0	3	7							0	5	3	
Strong white post,											9	1	0
with water ...	1	2	0										
Carried forward	2	0	1	28	5	0	Total ...				43	2	0

* Approximate sea level (Ordnance datum).

No. 973.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata bored below the Hutton Seam, at about 76 yards N. 57½° W. from Coal-drawing Shaft, at Low Grange Colliery. 1862.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From bottom of <i>Hutton Seam</i> , a scaffold							Brought forward	16	2	3	21	5	8
and iron pipe ...	1	0	0				White post ...	3	5	1			
Grey metal ...	5	3	11				COAL ...	0	1	10			
White post ...	0	2	0								21	3	2
Grey metal ...	0	4	0				Grey metal ...	1	3	0			
White post, with water	2	1	0				Post ...	2	0	8			
Grey post ...	1	2	0				COAL ...	0	1	7			
White post ...	1	2	6								3	5	3
Grey post ...	2	1	6										
Dark metal ...	0	0	6				Dark metal ...	0	1	5			
Grey metal, with post							Post ...	7	1	6			
girdles ...	1	3	0				Grey metal ...	2	4	0			
Black metal ...	0	1	9				COAL ...	0	1	2			
White post ...	1	5	4								10	2	1
Grey metal, with post							Grey metal, with gir-						
girdles ...	2	5	10				dles ...	5	4	6			
Black metal ...	0	0	8				COAL ...	0	3	1			
COAL (<i>supposed</i>											6	1	7
<i>Harvey Seam</i>) ...	0	1	8										
				21	5	8	Grey metal ...	0	2	0			
Soft metal ...	0	0	3				White post ...	0	5	6			
Metal stone, with post							COAL ...	0	0	6			
girdles ...	11	1	0								1	2	0
Strong grey and white							Into grey post, with						
post ...	2	4	6				metal partings ...				3	1	6
Strong grey metal													
stone, inclining to													
post ...	2	2	6										
Carried forward	16	2	3	21	5	8	Total ...				67	3	3

An Account of Strata bored through from Hutton Seam, 140 yards West of Shaft, Grange Colliery, at one of the Staples from Low Main.

Exactly the same as last section.

No. 974.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 15", Long. 1° 44' 0".

Account of Borehole No. 1 on Greencroft Common, as taken from Thomas Hall and others.

Approximate surface level 685 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	4	3	0				Brought forward	24	4	8			
Sand and metal ...	14	0	0				Black stone ...	0	2	0			
COAL ...	0	1	10										
Black metal ...	0	2	7				COAL ...	0	8				
COAL ...	0	0	7				COAL (sup-						
Grey thill ...	0	1	0				posed to be						
Blue stone, with post							the 22-inch						
girdles ...	5	1	8				Coal) ...	1	10				
										0	2	6	
Carried forward	24	4	8				Total ...				25	3	2
											*25	3	2

* Approximate sea level 533 feet below this.

No. 975.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 17", Long. 1° 43' 58".

Borehole No. 2 on Greencroft Common.

Approximate surface level 705 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	3	0			
Blue stone ...	5	1	8			
COAL ...	0	1	6			
COAL, mixed with brass, but not through	0	0	4			
				9	0	6
Total ...				*9	0	6

* Approximate sea level 650½ feet below this.

No. 978.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	0	5	0	11	Brought forward	23	1	6			
Blue stone, with post girdles ...	15	3	0				Black metal, mixed with coal ...	0	1	8			
Blue stone ...	1	3	0				COAL ...	0	5	0			
COAL ...	0	3	7				White thill ...	0	0	8			
				18	0	7					1	1	4
Carried forward				23	1	6	Total ...				*24	2	10

* Approximate sea level 638 feet below this.

No. 979.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 16", Long. 1° 43' 56".

Borehole No. 6 on Greencroft Common.

Approximate surface level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and red gravel...	2	1	6				Brought forward	3	3	9			
Wet sand ...	0	2	3				Blackish stone ...	4	2	1			
Blue clay ...	1	0	0				COAL ...	0	3	2			
							Thill ...	0	0	6			
											8	3	6
Carried forward	3	3	9				Total ...				*8	3	6

The seventh and eighth holes are in soft clay and quicksand, and could not be bored.

* Approximate sea level 648½ feet below this.

LEVELLING.

	Fs.	Ft.	In.	Ch.	L.
By levelling from the Fifth Borehole at Maiden Law House to the Third Borehole, there appears to be a descent of ground ...	10	0	0	distance	19 0
From the Third to the Second, a descent of ...	3	1	6	"	5 10
From the Second to the First, a descent of ...	3	2	0	"	3 40
From the First Hole to Quarry Pit, a descent of ...	14	2	0	"	5 40
Depth of Quarry Pit to 30-inch Coal ...	8	1	0		...
	39	0	6	"	32 90

OBSERVATIONS FROM THE FOREGOING LEVELLING.

The First Borehole at No. 1 is in depth	...	...	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.
Bank level from that to Quarry Pit	...	...	...	...	14	2	0	25	3	2
Depth of Quarry Pit	...	...	...	...	8	1	0	22	3	0
					—	—	—			
Dip of Colliery	...	...	...	...				3	0	2
The Fifth Borehole at Maiden Law House	...	...	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.
Bank level from Fifth to Third Hole	...	...	...	...	10	0	0	24	2	10
Depth of Third Hole	...	...	...	...	10	4	10			
					—	—	—	20	4	10
Dip of Colliery	...	...	...	...				3	4	6
Depth of Third Borehole	...	...	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.
Descent from Third to Second Hole	...	...	...	...	3	1	6	10	4	10
Depth of Second Hole	...	...	...	...	9	0	6			
					—	—	—	12	2	0
Rise of Colliery from the Second to the Third Hole	...	...	...	...				1	3	2
The Fifth Hole at Maiden Law House	...	...	...	...	Fs.	Ft.	In.	Fs.	Ft.	In.
Bank level from Fifth to Third Hole	...	...	...	...	10	0	0	24	2	10
From Third to Second Hole	...	...	...	...	3	1	6			
Depth of Second Hole	...	...	...	...	9	0	6			
					—	—	—	22	2	0
Dip of Colliery from the Second to the Fifth Hole	...	...	...	...				2	0	10

No. 980.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata bored through in the Greencroft Estate, near the Durham Hill Farm House.
1839.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay...	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
White metal...	1	5	8					5	5	10½			
Blue metal, with water	0	5	0				Grey post	0	2	3			
Grey post	2	1	8½				Blue metal, with coal						
Blue metal	0	2	6				pipes	0	3	1			
COAL—Yard Seam	0	2	3				Grey metal, with post						
	0	0	9				girdles	4	2	2½			
				5	5	10½							
Carried forward				5	5	10½	Carried forward	5	1	6½	5	5	10½

No. 980.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	6½	5	5	10½	Brought forward	1	3	8	22	2	0
Grey post ...	7	2	8				COAL ...	0	2	3			
Soft grey post, with							Dark blue metal ...	0	1	6½			
<i>coal pipes</i> ...	0	5	1½				COAL ...	0	1	11			
White post ...	0	5	6½								2	3	4½
Blue metal ...	0	4	11				Grey metal ...	1	2	3			
	Ft.	In.					Blue metal ...	2	2	11			
COAL ...	3	0					White post ...	0	1	0½			
COAL, foul...	0	2					Blue metal ...	0	3	3			
Dark metal ...	1	8									4	3	5½
COAL ...	1	6					In <i>coal</i> ...				0	0	8
				1	0	4							
Black metal ...	0	1	2										
Dark blue metal ...	1	2	6										
Carried forward	1	3	8	22	2	0	Total ...				29	3	6

No. 981.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 50' 16", Long. 1° 46' 25".

Account of a Boring in Esp Green Estate, near Farm House, in the South-east Corner of a Field called Ten Acres, Greencroft. November 20th, 1839.

Approximate surface level 550 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	4	0	7				Brought forward	4	2	10	13	1	0
Brown ramble ...	1	0	9				Blue metal, with gir-						
Sand ...	0	2	0				dles ...	2	0	9			
Ramble ...	0	3	0				White metal ...	0	4	6			
Soft grey post ...	0	3	0				Brown metal, scared						
Brown metal ...	0	4	0				with <i>coal</i> ...	0	1	0			
Brown and grey post	3	5	0				White and grey post	8	0	6			
White and brown post	1	3	6				Brown metal ...	0	3	0			
Grey metal ...	0	3	2				Blue metal, with gir-						
				13	1	0	dles ...	3	1	6			
COAL, soft...	0	2	2				White and grey post	6	0	9			
Brown metal ...	1	0	6				Blue metal ...	0	5	0			
COAL ...	0	0	5				Into whin ...	0	3	6			
Brown and grey post	2	5	9								26	5	4
Carried forward	4	2	10	13	1	0	Total ...				40	0	4

No. 982.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 50' 55", Long. 1° 45' 31".

Account of the Strata sunk through at Greencroft Colliery. March 4th, 1840.

Approximate surface level 705 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark brown clay ...	1	3	0				Brought forward				26	0	5½
Grey freestone ...	0	4	0				Black stone ...	0	1	0			
Dark grey metal ...	1	0	6				Blue metal ...	0	2	7			
Grey metal ...	2	0	0				Brass Thill Seam on						
Black metal ...	0	2	6				the Wear—	Ft.	In.				
Grey metal, with iron-							COAL ...	2	8				
stone girdles ...	0	4	0				Blue metal...	1	6				
Dark blue metal ...	0	5	6				COAL ...	1	8				
Grey post ...	0	4	0										
Grey metal ...	1	2	6					0	5	10			
Soft black metal stone	0	1	0								1	3	5
Strong post girdles ...	0	2	0				Black stone ...	0	1	0			
Grey metal ...	1	3	0				Grey post ...	0	3	0			
Grey post girdles ...	0	2	0				Blue metal and iron-						
Grey metal stone ...	0	2	0				stone girdles ...	1	1	0			
COAL ...	0	2	2				White post girdles ...	0	1	0			
				12	2	2	Blue metal parting ...	0	0	3½			
Black stone ...	0	0	4				Grey post, with metal						
Grey metal ...	1	3	0				partings ...	1	2	0			
Dark metal, with coal							White post, with metal						
pipes ...	0	0	8				partings ...	0	5	0			
Grey metal ...	2	2	0				Strong grey post gir-						
Strong post ...	7	1	6				dles ...	0	1	6			
Soft grey post ...	0	5	0				White post ...	0	3	10			
Grey metal ...	0	3	0				Blue metal ...	0	1	10			
Low Main Seam on							White post girdles ...	0	1	5			
Wear, Hutton Seam							White post, with metal						
at Pontop—	Ft.	In.					partings ...	0	5	6			
COAL ...	3	3½					Blue metal, with post						
Black stone...	1	10					girdles ...	0	4	3			
COAL ...	1	8					COAL—Hutton Seam						
							on the Wear, Main						
							Coal at Pontop ...	0	4	2			
											7	5	9½
Carried forward				26	0	5½	Total ...				*35	3	8

The *Low Main Seam* is of excellent quality, hard, and works large.
The *Hutton Seam*, 2 inches of clean coal, of very good quality, but rather tender.
* Approximate sea level 491½ feet below this.
NOTE.—The Section of the Engine Pit varies very slightly from the above.

No. 983.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of a Boring North and West of Durham Hill, Greencroft Colliery, for the Northern Coal Mining Company. September 19th, 1840.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black stone ...	0	1	3				Brought forward	11	1	2½	10	5	8½
Soft grey metal ...	0	1	0				Ironstone ...	0	0	4			
Grey post, with coal pipes ...	0	4	6				Dark post ...	0	0	4			
Grey metal, with iron-stone girdles ...	2	4	1				Blue metal ...	0	2	2			
White post girdles ...	0	0	6				Grey post ...	0	1	6			
Grey metal, with post girdles ...	3	1	8				Blue metal ...	0	3	11			
Strong white post ...	0	2	8				COAL ...	0	3				
Grey metal ...	0	1	6				Band ...	0	3				
Strong brown post girdle ...	0	3	9				COAL ...	1	6				
Grey metal ...	0	1	10				Band ...	0	9				
Brown post, with metal partings ...	0	4	0						0	2	9		
Black stone ...	0	0	4								13	0	2½
COAL ...	0	0	8	9	3	9	Thill stone ...	0	1	9			
Blue metal ...	0	4	5				Strong white post, with metal partings	0	2	0			
Strong white post girdle ...	0	0	3				Strong brown post, with water	0	3	0			
Blue metal ...	0	2	2				Whin girdle ...	0	0	8			
COAL ...	0	1	1½	1	1	11½	Grey post ...	0	2	0			
Grey metal ...	0	0	3				Grey metal ...	1	1	10½			
Brown post ...	0	2	2½				Brown post ...	0	5	10½			
Yellow post ...	0	4	0				White post ...	0	1	3			
Grey post ...	0	5	3				Grey post ...	0	3	7			
Blue metal ...	0	0	5½				Grey metal ...	0	1	0			
Grey post ...	0	2	0				COAL ...	0	0	4			
Grey metal ...	0	0	7				Black stone ...	0	0	7			
Dark post ...	0	2	7				Brown stone ...	0	1	3			
Grey post ...	1	2	3				COAL ...	0	0	6			
White post ...	0	2	2½								5	1	8
Grey post ...	0	1	9				Strong brown post ...	1	1	6			
Dark metal ...	0	1	3				Blue metal ...	0	3	4			
Grey metal ...	0	3	6				Grey metal, with post girdle ...	2	0	2			
Post girdle ...	0	0	6				Grey metal ...	0	2	2			
Blue metal ...	0	4	9				Black stone ...	0	1	10			
Dark metal ...	0	1	0				Grey metal ...	0	3	0			
Black metal ...	0	2	6½				Brown metal ...	0	1	9			
White post ...	2	1	10½				Brown post, with metal girdles ...	0	5	0			
Grey metal ...	0	1	0				Grey post ...	1	0	2			
Dark metal, with coal pipes ...	0	1	8				Grey metal ...	0	0	8			
Strong grey metal ...	1	1	0				COAL ...	0	0	6			
Dark post ...	0	0	7								7	2	1
Carried forward	11	1	2½	10	5	8½	Grey metal ...	0	3	8			
							Carried forward	0	3	8	36	3	8

No. 983.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	8	36	3	8	Brought forward	3	5	4	36	3	8
Grey metal, with post girdles ...	1	0	0				COAL ...						
Post girdle ...	0	1	0				Brown band ...	0	1				
Dark brown metal, with coal pipes ...	0	2	2				COAL ...	0	10				
Strong grey metal ...	0	4	6				COAL, foul... ..	0	4				
Strong post girdles, with metal partings	0	3	0				COAL, tender ...	0	4				
Dark grey metal ...	0	3	0				Dark metal ...	0	3				
							COAL, slaty ...	0	4				
										0	3	9	
Carried forward	3	5	4	36	3	8					4	3	1
							Total ...				41	0	9

No. 984.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. About Lat. 54° 49' 56", Long. 1° 45' 16".

Greencroft Estate.—Boring by the side of the Lane leading to Leadgate, at New Houses Farm Buildings, a mile from Lanchester. Begun June 25th, 1863.

Approximate surface level 404 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				25	3	11
Gravel and water ...	2	2	0				Dark metal and post girdles ...	0	3	9			
Clay ...	3	3	0				Post ...	1	1	3			
Sand ...	0	1	0				Dark metal ...	0	1	0			
Clay ...	1	1	0				COAL ...	0	0	7			
Gravel and water ...	1	0	0								2	0	7
Clay ...	0	1	6										
				8	3	6	Metal ...	0	2	0			
Metal ...	1	1	6				White post ...	2	0	6			
Brown post ...	0	2	6				Dark metal ...	2	2	0			
Metal ...	0	4	0				Grey metal ...	1	0	0			
Brown post ...	2	0	0				Black metal and scares of coal ..	0	1	2			
COAL ...	0	0	8				Grey metal ...	1	4	6			
				4	2	8	White post ...	6	0	4			
Metal ...	1	5	6				COAL ...	0	0	10			
White post ...	0	2	6								13	5	4
Metal ...	1	3	10				Grey metal ...	4	4	6			
White post ...	0	1	3				White post and whin girdles ...	6	0	4			
Metal ...	1	4	0				Metal ...	1	4	0			
White post ...	5	4	0										
Dark metal ...	0	4	6				Carried forward	12	2	10	41	3	10
COAL—Brockwell (?)	0	2	2										
				12	3	9							
Carried forward				25	3	11							

No. 984.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	2	10	41	3	10
Post and metal part-ings	...	2	0	0		
Post and whin	...	1	1	4		
Metal stone and post girdles	...	2	4	6		
Post	...	1	5	0		
Grey metal	...	1	4	0		
Carried forward	21	5	8	41	3	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	5	8	41	3	10
Post	...	0	3	0		
Grey metal	...	3	5	0		
Post	...	0	1	6		
In grey metal (Dec. 19th, 1863)	...	2	5	2		
Total	...	...	...	71	0	2

No. 985.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Greencroft Estate.—Boring in Fence Bank, by G. Rawling Stott. Begun December 22nd, 1863; left off September 21st, 1864.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	5	1	0			
Metal	...	1	0	0			
Brown and grey post	12	3	9				
Metal	...	0	0	6			
	Ft. In.	2	3				
COAL	...	0	4				
	—	0	2	7	19	1	10
Black metal	...	1	1	0			
Grey metal	...	2	0	0			
Black metal	...	0	1	6			
COAL, strong	...	0	2	4	3	4	10
	—	0	3	0			
Grey metal	...	0	0	3			
Black metal	...	0	0	10	0	4	1
COAL	...						
	—						
Grey metal and iron-							
stone girdles	...	4	0	0			
Post	...	1	4	9			
<i>Main Coal Seam—</i>							
	Ft. In.	3	10				
COAL, good	...	0	3				
COAL, slaty	...	0	4	1	6	2	10
	—	0	4	10			
Grey metal	...	0	4	10			
Grey post and a gullet							
at 6 feet	...	2	3	0			
Metal	...	3	3	0			
	—	6	4	10	30	1	7
Carried forward							

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		6	4	10	30	1	7
COAL	...	0	0	4			
Metal	...	0	3	6			
COAL	...	0	0	7			
	—				7	3	3
Metal	...	2	1	6			
Post and whin	...	2	2	6			
Grey metal	...	3	2	0			
Post	...	7	1	6			
Grey metal	...	1	3	0			
COAL	...	0	2	5			
	—				17	0	11
Dark metal	...	0	0	4			
Grey metal	...	0	2	0			
Post	...	0	3	6			
Metal	...	1	4	0			
COAL	...	0	0	4			
Metal	...	1	1	0			
COAL	...	0	0	8			
	—				3	5	10
Metal	...	2	1	0			
Whin	...	0	0	10			
Metal	...	0	4	0			
Black metal	...	0	1	6			
Girdle	...	0	0	6			
Black metal and coal	...	0	1	0			
Metal	...	1	4	6			
Grey post	...	3	4	4			
COAL	...	0	1	8			
	—				9	1	4
Hard grey metal and							
coal	...	0	2	4			
	—	0	2	4	68	0	11
Carried forward							

No. 985.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	2	4	68	0	11
Grey metal and girdles	0	4	4			
COAL ...	0	2	10			
				1	3	6
Grey metal ...	1	4	6			
Hard girdle ...	0	1	3			
Grey metal ...	1	0	3			
Carried forward	3	0	0	69	4	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	0	69	4	5
Strong post ...	5	0	4			
COAL ...	0	1	5			
				8	1	9
In grey metal, with girdles ...				8	3	0
Total ...				86	3	2

No. 986.—GREENFIELD.

TOWNSHIP OF BARONY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 47", Long. 1° 43' 54".

Account of the Strata at Greenfield, near West Auckland.

Approximate surface level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	9				Brought forward				16	3	3
Clay ...	0	3	0				Sill ...	0	3	0			
				0	4	9	Grey metal ...	1	2	3			
Blue metal ...	1	0	0				Metal stone ...	1	0	0			
Grey metal stone ...	1	3	0				COAL ...	0	1	0			
Strong grey metal ...	0	2	0								3	0	3
Blue metal ...	0	1	0				Grey metal ...	2	1	0			
COAL ...	0	0	9				COAL ...	0	0	8			
				3	0	9					2	1	8
Soil ...	0	1	6				Sill ...	0	2	0			
Grey metal stone and							Grey metal stone ...	1	4	6			
blue metal ...	1	1	6				Strong grey post ...	0	1	9			
Strong grey post ...	1	0	0				Blue metal and metal						
Blue metal ...	0	5	0				stone ...	3	0	6			
Black metal ...	0	3	0				Dark blue metal ...	1	5	6			
COAL ...	0	3	0				Black metal stone ...	0	1	0			
				4	2	0	<i>Crow Coal</i> — Ft. In.						
Thill ...	1	0	0				COAL ...	0	9				
Grey metal stone ...	1	5	9				Band ...	0	9				
Grey post ...	0	3	9				COAL ...	4	6				
Grey metal ...	0	3	6							1	0	0	
Brown post ...	3	2	6								8	3	3
							Grey sill ...	0	5	6			
COAL ...	1	6					White post ...	1	3	0			
Sill ...	1	3					COAL ...	0	0	9			
COAL ...	1	6									2	3	3
				0	4	3	Grey metal, with						
							brown scares ...	0	1	9			
				8	1	9	Grey metal stone and						
Carried forward				16	3	3	grey post ...	1	0	0			
							Carried forward	1	1	9	32	5	8

No. 986.—GREENFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	9	32	5	8	Brought forward	6	0	6	32	5	8
Strong white post ...	2	3	6				Blue metal ...	0	1	9			
Blue metal ...	0	2	0				White post ...	3	2	6			
Strong grey metal ...	0	5	9				Blue metal ...	1	5	9			
Blue metal ...	0	2	6				Black swad ...	0	3	6			
Strong grey metal							COAL—Main Coal	0	5	10			
stone ...	0	3	0								13	1	10
Carried forward	6	0	6	32	5	8	Total ...				*46	1	6

* Approximate sea level 242 feet below this.

No. 987.—GREENHEAD.

TOWNSHIP OF BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Section of the Strata of Greenhead and Abbot's Close Collieries.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	1	0	0				Brought forward				14	1	9
Blue metal ...	1	3	0				Soft white clay ...	0	3	6			
Freestone post ...	1	2	0				Iron girdle ...	0	1	0			
COAL ...	0	0	10				Blue metal ...	3	0	2			
Brown seggar, mixed							Grey metal ...	3	3	10			
with iron nodules...	1	0	2				COAL—Busty Seam	0	1	11			
<i>Yard Seam—</i> Ft. In											7	4	5
COAL ...	0	10					Fire clay ...	0	1	8			
Strong dark							Blue metal ...	0	1	6			
post band...	0	7					Grey post ...	0	1	8			
COAL ...	3	0					Blue metal ...	0	5	6			
				5	4	5	Grey whin girdle ...	0	2	0			
Strong dark post band	0	0	8				White post ...	2	2	6			
Grey metal ...	0	3	3				Blue metal ...	2	5	0			
COAL ...	0	0	10				<i>Main Coal Seam—</i>						
Blue metal ...	1	0	0				COAL , top Ft. In.						
Grey post ...	0	3	6				Band, mixed	2	6				
Grey metal ...	1	2	0				with stone						
Post ...	0	2	0				and coal ...	0	3				
Grey metal ...	0	5	0				COAL ...	4	2				
Cannel ...	0	0	7							1	0	11	
COAL—Ballarat													
<i>Seam</i> ...	0	1	10								8	2	9
				5	1	8	Fire clay ...	0	1	10			
Fire clay ...	0	1	8				White clay, mixed						
Blue metal ...	1	2	0				with iron nodules...	0	5	6			
Post ...	0	2	0								1	1	4
Fine blue metal ...	0	4	0										
COAL—5/4 Seam ...	0	4	0										
				3	1	8							
Carried forward	14	1	9				Total ...				31	4	3

No. 988.—GREENLAND

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of the Boring of No. 3 Hole, at Greenland. Commenced November 6th, 1856.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	5	0				Brought forward	1	3	2	18	1	0
Yellow freestone ...	1	0	0				Strong grey metal,						
Brown freestone ...	1	2	0				with post girdles ...	1	4	1			
COAL, foul...	0	0	9				Strong white post ...	1	0	0			
				3	1	9	Grey metal ...	0	0	2			
Soft grey metal ...	0	2	11				COAL ...	0	1	6			
Post girdles ...	0	1	0								4	2	11
Grey metal ...	2	1	6				Grey metal ...	1	0	6			
Post ...	0	2	4				COAL ...	0	2	3			
Grey metal, with post											1	2	9
girdles ...	1	2	5				Seggar ...	0	3	2			
Dark metal ...	0	0	6				Strong grey metal ...	0	3	6			
Soft grey metal ...	0	0	7				Mild white post ...	2	0	6			
COAL ...	0	2	2				Hard white post ...	0	3	5			
				5	1	5	Rotten stone...	0	1	5			
Seggar ...	0	0	7				Strong white post ...	2	4	1			
Dark metal ...	0	0	7				Strong grey metal ...	0	2	6			
Grey metal ...	0	1	1				Strong white post ...	0	4	1			
Post, with metal part-							COAL ...	0	1	0			
ings ...	0	3	8								7	5	8
Grey metal, with post							Strong white post ...	0	3	0			
girdles ...	3	4	10				Strong grey metal ...	0	4	1			
Hard white post ...	0	0	8				Strong white post ...	0	1	5			
Strong grey metal,							Grey metal ...	0	2	10			
with post girdles ...	1	1	2				COAL, foul...	0	0	5			
COAL ...	0	1	0								1	5	9
				6	1	7	Grey metal, mixed						
Grey metal ...	0	4	1				with post girdles ...	3	1	10			
Strong grey metal,							COAL ...	0	0	7			
mixed with post							Grey metal ...	0	2	0			
girdles ...	1	0	10				Hard white post, with						
Soft grey metal ...	0	4	9				metal partings ...	1	3	8			
COAL ...	0	0	3				Strong grey metal,						
				2	3	11	with partings ...	2	3	5			
Grey metal ...	0	4	0				COAL ...	0	3	7			
COAL ...	0	0	4								8	3	1
				0	4	4	Grey metal ...				0	0	10
Grey metal, with post													
girdles ...	1	3	2										
Carried forward	1	3	2	18	1	0	Total ...				42	4	0

No. 989.—GREENSFIELD MOOR.

TOWNSHIP OF ALNWICK, NORTHUMBERLAND.

Sheet 32 of Ordnance Map. Lat. , Long.

Section of Strata at Greensfield Moor, S.E. of Alnwick. By W. Wilson. 1851.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk :—</i>									<i>Brought forward</i>			2	4	7	11	0	0
Clay	...	...	4	0	0				Black stone, with free-								
Blue metal and free-									stone beds ...	...	0	4	6				
stone beds	...	...	6	0	0				Hard freestone	...	0	0	7				
Limestone	...	...	1	0	0				Black metal ...	...	0	0	6				
						11	0	0	Freestone	...	1	2	6				
<i>Bored :—</i>									Black metal ...	...	0	0	3				
Limestone	...	...	0	5	11				Hard freestone	...	0	1	6				
Black metal	...	...	0	1	6				Black metal and free-								
White metal	...	...	1	1	2				stone	...	0	1	6				
Black metal	...	...	0	1	3				Freestone, with water		1	0	4				
Red stone, with iron														6	4	3	
beds	...	...	0	0	9												
Carried forward			2	4	7	11	0	0	Total	...	...				17	4	3

No. 990.—GREENLAWALLS.

TOWNSHIP OF DUDDO, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40' 55", Long. 2° 5' 22".

Section of Strata sunk through in the Lady Pit to the Bulman and Cowper Eye Seams, Greenlawalls Colliery.

Approximate surface level 238 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	1	0	9				Brought forward				8	3	9
White freestone	...	...	5	4	0				Soft blue shale	...	0	0	5		
Hardy Seam—	Ft.	In.							White freestone	...	0	1	10		
COAL	...	2	0						Hard white freestone	...	0	2	2		
Limestone	...	0	10						Soft blue metal	...	0	0	4		
COAL	...	0	8						Black metal ..	...	0	0	8		
					0	3	6		White metal...	...	0	2	9		
							7	2	3						
Brown metal	...	...	0	1	6				COAL	...	...	0	0	2	
Limestone	...	...	0	0	6				Shale	...	...	0	3	10	
Diamond Seam—									Hard white freestone	...	...	0	4	6	
									Blue shale	...	...	0	5	9	
	Ft.	In.							Freestone	...	...	0	2	4	
COAL	...	1	6						Freestone bands	...	...	1	0	6	
Shale	...	2	0						Blue shale	...	...	2	2	0	
COAL	...	2	0						Freestone band	...	...	0	1	0	
					0	5	6		COAL	...	...	0	0	9	
							1	1	6	Black shale	...	...	0	0	9
Carried forward							8	3	9	Carried forward			7	5	9
													8	3	9

No. 990.—GREENLAWALLS.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			7	5	9	8	3	9	Brought forward			3	4	6	24	5	2
<i>Bulman Main Seam—</i>									Shale ...			0	4	6			
	Ft.	In.							Freestone bands ...			2	1	3			
COAL, top ...	1	2½							Tills ...			0	4	0			
Chalk stone ...	0	0½							Limestone ...			0	2	0			
COAL, splint	0	9							COAL ...			0	0	8			
COAL, rough	0	7							Tills ...			0	3	0			
Band stone ...	0	3							<i>Three-Quarter Seam—</i>								
COAL, ground	1	1								Ft.	In.						
Chalk stone ...	0	1							COAL, top	0	11						
COAL, smithy	0	9							Limestone ...	0	9						
			0	4	9				COAL ...	1	0						
						8	4	6				0	2	8			
Shale ...			0	1	0										8	4	7
Limestone ...			0	1	3				Tills ...			0	3	0			
COAL ...			0	0	6				COAL ...			0	0	6			
Shale ...			3	3	0				Tills ...			0	4	0			
Freestone ...			1	5	0				Limestone ...			0	1	4			
Limestone ...			0	1	4				<i>Cowper Eye Seam—</i>								
Tills*			0	0	10					Ft.	In.						
Limestone ...			0	2	0				COAL, splint	1	2						
COAL ...			0	0	6				Macket† ...	0	3						
Freestone bands ...			0	2	10				COAL, ground	1	1						
	Ft.	In.										0	2	6			
COAL ...	0	6													1	5	4
Tills ...	1	0							Shale ...			0	3	0			
COAL ...	1	2							Limestone ...			0	1	6			
			0	2	8				Tills ...			0	2	0			
						7	2	11							1	0	6
Freestone bands ...			1	4	0				Into limestone.								
Freestone ...			2	0	6												
Carried forward			3	4	6	24	5	2	Total ...						36	3	7

No. 991.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 43", Long. 1° 56' 9".

Account of a Boring on the North Side of the Grey Mare Pit, near the West Boundary. June 27th, 1756.

Approximate surface level 814 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...			0	1	0				Brought forward			3	0	0			
Yellow clay ...			0	3	0				Blue metal, with post								
Soft brown scamy									girdles ...			1	0	0			
metal ...			1	3	0				Black metal ...			0	0	3			
Brown post, with water			0	5	0				COAL ...			0	1	1			
															4	1	4
Carried forward			3	0	0				Carried forward						4	1	4

* "Tills," local name for thill, metal, or shale.

† "Macket" or "macker," local name similar to "badger," a black coaly band approaching towards an inferior coarse coal.—S. C. CRONE.

No. 991.—GREY MARE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				4	1	4	Brought forward				7	2	9
Grey metal ...	0	3	0				In white grey metal...				0	0	4
COAL , foul...	0	0	4				<i>Bored further in the same place, August 23rd:—</i>						
Blue metal, with post girdles ...	1	1	6				Grey and white post, with water...	4	1	0			
Black slaty metal, with girdles or lumps ...	0	2	5				Blue metal ...	0	4	0			
Grey metal ...	0	2	0				Black metal ...	0	0	6			
COAL ...	2	5					COAL ...	0	0	9			
Grey metal ...	1	0									5	0	3
COAL ...	0	5					In soft grey and white metal ...				2	3	0
Slaty band or lump ...	0	1											
COAL ...	0	3											
				3	1	5							
Carried forward				7	2	9	Total ...				*15	0	4

* Approximate sea level 723 $\frac{2}{3}$ feet below this

No. 992.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 39", Long. 1° 56' 7".

Bored in the second place at Grey Mare, about 100 yards to the South from the first. July 5th, 1756.

Approximate surface level 875 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				7	0	10
COAL , soft foul ...	0	1	6				Grey and blue metal	0	3	4			
Brown and grey scamy metal ...	1	3	0				COAL ...	0	0	8			
COAL , with water...	0	2	3								0	4	0
				2	1	9	Grey metal ...	0	2	0			
Blue metal ...	0	2	0				Grey metal stone ...	1	5	0			
COAL ...	0	1	6				COAL ...	0	1	1			
				0	3	6					2	2	1
Grey metal ...	0	0	9				Blue metal ...	0	1	6			
Strong grey post ...	0	2	0				COAL ...	0	0	4			
Grey metal, with girdles or lumps ...	2	1	0				Blue metal stone, with post girdles ...	1	3	0			
Black metal ...	0	0	3				Black metal, with girdles or lumps ...	0	2	0			
COAL ...	0	1	9				Grey metal ...	0	3	3			
				2	5	9	COAL ...	2	6				
Grey metal, with girdles or lumps ...	1	1	0				Grey metal ...	1	2				
COAL ...	0	0	10				COAL ...	0	10				
				1	1	10					0	4	6
Carried forward				7	0	10	In grey metal ...				3	2	7
											0	0	4
							Total ...				*13	3	10

* Approximate sea level 793 $\frac{1}{2}$ feet below this.

No. 993.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 41", Long. 1° 56' 3".

Bored in the third place at Grey Mare, about 100 yards E.N.E. from the second, and 30 yards from the House. 1756.

Approximate surface level 875 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	1	0				Brought forward		8	2	1			
Brown clay	...	0	3	0				Grey metal	...	0	1	0			
Soft brown metal, with								Grey metal stone, with							
water	...	0	5	0				post girdles	...	1	2	3			
	Ft. In.							Black metal	...	0	1	0			
COAL	...	2	3					COAL	...	0	1	1			
Blue metal	...	1	7									1	5	4	
COAL	...	1	6					Bluemetal, scared with							
Grey metal	...	0	6					coal	...	0	0	4			
COAL	...	0	10					Grey metal, with post							
	—	1	0	8				girdles	...	0	4	0			
					2	3	8	COAL	...	0	0	4			
Grey metal	...	0	1	0				Blue metal	...	0	3	9			
Grey and brown scamy								Black metal, with gir-							
post, and settled the								dles or lumps	...	0	2	0			
top feeder	...	1	0	0				Grey metal	...	0	4	2			
Grey and blue metal,								Black metal	...	0	0	6			
with post girdles or															
lumps	...	3	0	0					Ft. In.						
COAL	...	0	1	10				COAL	...	2	2				
					4	2	10	Grey metal	...	1	4				
Blue metal	...	0	3	0				COAL	...	0	2				
COAL	...	0	0	8				Grey metal	...	0	9				
					0	3	8	COAL	...	0	8				
Grey metal	...	0	3	6					—	0	5	1			
COAL, foul	...	0	0	5								3	2	2	
					0	3	11	In grey metal	...			0	0	5	
Carried forward					8	2	1	Total	...			*13	4	0	

* Approximate sea level 793 feet below this.

No. 994.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 39", Long. 1° 55' 46".

Bored in the fourth place at Grey Mare, about 30 yards W.N.W. from Grey Mare House. 1756.

Approximate surface level 936 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk	...				10	5	6	Brought forward		0	1	1	10	5	6
Grey metal	...	0	0	4				Grey and brown post		0	4	6			
COAL	...	0	0	9											
Carried forward		0	1	1	10	5	6	Carried forward		0	5	7	10	5	6

0

No. 996.—GUNNERTON FELL.

TOWNSHIP OF GUNNERTON, NORTHUMBERLAND.

Sheet 77 of Ordnance Map.

Lat.

, Long.

*Boring on Gunnerton Fell to the North of the Dyke, by order of Mr. Richard Peck.
1734.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay, with small sipings of water	7	0	6				Brought forward	12	2	10			
Grey sandy stone ...	0	1	6				COAL , with water (the water fell 3 fa- thoms in the bore- hole)	0	0	3			
Black grey metal ...	1	3	0				Grey metal, with small scares of <i>coal</i> ...	0	1	8			
Blue grey stone of a limestone nature, with water	0	2	10				White post	0	2	6			
White post	0	3	0				Black grey metal ...	0	2	4			
Open white post, mixed with whin	0	2	0				COAL	0	2	2			
White post girdles, with grey partings	2	2	0				Black grey thill ...	0	0	3			
											14	0	0
Carried forward	12	2	10				Total				14	0	0

No. 997.—HALTON.

TOWNSHIP OF AYDON CASTLE, NORTHUMBERLAND.

Sheet 86 of Ordnance Map.

Lat. 55° 0' 1", Long. 2° 0' 10".

*Bored about 20 yards South of the Burn and about 600 yards South from Halton.
October 13th, 1757.*

Approximate surface level 430 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay	0	4	0			
In sand, with a siping of water and a small mix- ture of clay	3	3	0			
				4	1	0
Total				*4	1	0

* Approximate sea level 405 feet below this.

No. 998.—HALTON.

TOWNSHIP OF HALTON, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. $55^{\circ} 0' 3''$, Long. $2^{\circ} 0' 6''$.

*Bored about 60 yards North of the Burn and about 500 yards South from Halton.
October 15th, 1757.*

Approximate surface level 440 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Stony clay	7	5	0			
Brown gravelly clay, with water, which rose to the top ...	1	0	0			
Soft brown sandy ramble	1	5	0			
Carried forward	10	5	0			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	5	0			
In blue and grey scamy metal, with post girdles ...	1	0	6			
				11	5	6
Total				*11	5	6

* Approximate sea level 369½ feet below this.

No. 999.—HALTON.

TOWNSHIP OF AYDON CASTLE, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. $55^{\circ} 0' 9''$, Long. $1^{\circ} 58' 45''$.

Account of the Boring near Halton, in Aydon East Field, about 450 yards to the N.W. from White House. September 1st, 1757.

Approximate surface level 495 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	0	4	6				Brought forward	11	1	3			
Brown post, with metal partings and water	1	2	3				Whin ...	0	0	10			
White post, with metal partings and water	5	0	0				Strong white post ...	0	4	0			
Grey metal, with hard lumps ...	0	3	0				Blue and grey metal and metal stone, with post girdles and water ...	1	2	0			
A whin girdle ...	0	0	6				Black stone, with girdles or lumps ...	0	4	0			
Grey metal ...	1	5	0				Grey post, with black cashy partings and water ...	4	0	0			
Grey stone, with water	0	0	6				Strong white post, mixed with whin girdles ...	4	0	0			
Limestone or whin ..	0	4	0										
Strong white and brown post ...	0	1	4										
Blue and black metal, with some scares of coal ...	0	4	2										
Carried forward	11	1	3				Carried forward	22	0	1			

No. 999.—HALTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	22	0	1				Brought forward	26	3	0			
Grey and brown metal							Grey post, with black						
stone ...	0	2	0				seamy partings ...	0	3	0			
A whin girdle ...	0	0	6				Strong white post,						
Grey post ...	1	0	0				mixed with whin ...	0	1	3			
Black grey metal							Black metal, with						
stone, with post							white scares ...	0	4	6			
girdles ...	0	5	0				Strong white post,						
Whin ...	0	2	0				mixed with whin ...	0	1	0			
Grey metal ...	0	1	0				White post, with black						
Grey post ...	0	1	8				scames and water...	0	1	9			
Whin ...	0	1	9				Strong white post,						
Grey post girdles and							mixed with whin ...	0	1	6			
blue cashy partings	0	4	0				Black and grey metal	0	3	4			
Soft black cashy metal,							In strong white post	0	2	8			
scared with coal ...	0	1	6								29	4	0
Blue metal ...	0	1	6										
Carried forward	26	3	0				Total ...				*29	4	0

* Approximate sea level 317 feet below this.

No. 1,000.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of Borings made on the Hamsteels Common, in the County of Durham.

No. 1 Hole, at the Bottom of Plantation, South of Clifford House. Commenced May 29th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	3	7	7	0	3
Yellow clay and sand	0	4	0				Blue metal, with part-						
Blue clay ...	5	0	0				ings ...	2	0	0			
				5	4	6	Black stone ...	0	1	6			
Yellow rotten stone...	0	2	0				Grey metal ...	0	3	9			
Soft blue metal ...	0	3	6				COAL ...	0	0	2			
Rotten post ...	0	2	0				Seggar clay ...	0	5	3			
COAL ...	0	0	3				COAL ...	0	1	3			
				1	1	9					7	3	6
White post ...	3	3	7										
Carried forward	3	3	7	7	0	3	Total ...				14	3	9

No. 1,001.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 2 Hole, in Plantation North-west of No. 1 Hole. June 19th, 1867.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	...	...	...	...	...	0	5	0			
Blue clay	...	...	...	...	...	9	1	9			
									10	0	9
Total	...	...	...	...	...				10 0 9		

No. 1,002.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 3 Hole, down Fence, South-west of Clifford House. June 24th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	4	6				Brought forward				11	0	9
Blue clay ...	6	5	3				Grey metal ...	2	0	8			
				7	3	9	Brown post, with						
							metal partings ...	0	3	9			
Rotten yellow stone...	0	1	9				Brown post ...	4	2	4			
Grey metal ...	0	0	9				Blue metal ...	0	1	7			
Grey metal, with white							COAL ...	0	3	6			
post girdles ...	1	0	3								7	5	10
Strong white post ...	0	2	0				Black metal ...	0	0	7			
Grey metal ...	1	3	3				Grey metal ...	0	2	3			
Black stone ...	0	0	2								0	2	10
Brown post ...	0	0	7										
COAL ...	0	0	3										
				3	3	0							
Carried forward				11	0	9	Total ...				19	3	5

No. 1,003.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long. *No 4 Hole, in the Field East of Quebec Cottages, to the Stone Head.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	...	...	...	2	3	0			
										2	3	0

No. 1,004.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long. *No. 5 Hole, North-east of Quebec Cottages.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	...	...	...	1	0	0			
Rubble stone	...	...	...	...	...	...	0	4	0			
										1	4	0
Total	...	...	...	...	...	...				1	4	0

No. 1,005.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long. *No. 6 Hole, West of Quebec Cottages.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	...	...	...	...	...	...	0	5	0			
Rubble stone	...	...	...	...	...	...	0	2	0			
										1	1	0
Total	...	...	...	...	...	...				1	1	0

No. 1,006.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 7 Hole, in the Field North-west of Quebec Cottages. July 16th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	4	0				Brought forward				17	3	1
Brown post ...	0	3	0				Grey metal ...	2	2	10			
Brown and white post	2	4	4				Black metal ...	0	0	7			
COAL ...	0	0	6				COAL ...	0	0	4			
				3	5	10					2	3	9
Brown and white post	0	3	0				Grey metal ...	0	4	3			
Grey metal ...	0	5	1				White post ...	2	4	0			
Black metal ...	0	4	10				Black metal ...	0	0	2			
COAL ...	0	0	10				COAL ...	0	1	11			
				2	1	9					3	4	4
Seggar clay ...	0	2	10				Seggar clay ...	0	2	2			
Grey metal and post							Grey metal and post						
girdles ...	2	0	1				girdles ...	0	4	0			
COAL ...	0	0	2				White post ...	0	4	2			
				2	3	1	Grey metal ...	0	0	7			
Grey metal and post							<i>Brockwell Seam—</i>						
girdles ...	3	1	4				COAL ...	Ft. In.					
Dark metal ...	0	1	5				COAL , foul	2 2					
COAL—Busty ...	0	2	5										
				3	5	2							
Dark metal and coal	0	1	0						0	2	6		
Grey metal and post											2	1	5
girdles ...	0	1	9				Grey metal ...	0	1	0			
White post ...	0	2	9				Grey metal and post						
Grey metal and post							girdles ...	0	3	6			
girdles ...	0	3	0				White post ...	5	5	8			
<i>Bored further, Oct.</i>							COAL ...	0	0	8½			
<i>29th, 1867:—</i>											6	4	10½
White post and metal							Seggar clay ...	0	0	9			
partings ...	2	0	0				Grey metal and post						
Black metal ...	0	0	3				girdles ...	0	3	0			
Grey metal ...	0	0	3				Grey post ...	2	2	0			
COAL ...	0	0	4				COAL ...	0	0	4			
				3	3	4					3	0	1
Dark grey metal ...	0	1	0½				Grey metal and post						
COAL ...	0	0	5½				girdles ...	1	0	9			
				0	1	6	Grey post ...	0	2	2			
Seggar clay ...	0	1	8				Black metal ...	0	0	2			
Brown post and metal							Grey metal ...	0	0	2			
partings ...	0	0	7				Grey post and parting	0	5	0			
Blue metal ...	0	0	7				White post ...	0	1	0			
Black metal ...	0	0	5				Grey post ...	1	0	3			
Grey metal ...	0	1	10								3	3	6
COAL ...	0	0	4										
				0	5	5							
Brown post ...	0	0	6										
COAL ...	0	0	9										
				0	1	3							
Carried forward				17	3	1	Total ...				39	3	3½

No. 1,007.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 8 Hole, along the Wall, by the Brook, at Blackburn, in the Field West of the Cottages. 1868.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	...	...	...	3	3	0			
									3	3	0

No. 1,008.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 9 Hole, below Blackburn Cottage. August 5th, 1867.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	0	10				Brought forward		7	0	10	5	5	8
Yellow clay	...	...	0	2	0				White post, with metal							
Brown clay	...	...	0	5	8				partings	...	0	2	6			
Brown and white post mixed	...	...	1	0	0				Grey metal	...	0	1	3			
White post	...	...	0	0	7				Dark metal	...	0	0	10			
Rotten yellow post	...	...	0	0	5				COAL	...	0	0	4			
Strong white post	...	...	1	2	10									7	5	9
Rotten brown post	...	...	0	0	9				Grey metal	...	1	3	3			
Blue metal, with white post girdles...	...	...	0	2	1½				Brown post	...	0	2	6			
COAL	...	...	0	1	6	4	4	8½	Grey metal	...	1	4	6			
Seggar clay	...	...	0	1	3				Grey metal, with white post partings	...	0	4	4			
Blue metal	...	...	0	3	8½				Brown and white post mixed	...	3	0	0			
COAL	...	...	0	2	0	1	0	11½	Brown post	...	1	2	10			
Dark metal	...	...	0	1	9				COAL	...	1	0				
Grey metal	...	...	2	2	1				Dark grey metal	...	1	5				
White post	...	...	3	2	9				COAL	...	1	9				
Yellow post	...	...	0	3	6									0	4	2
Dark metal	...	...	0	0	6											
Grey metal, with white post girdles	...	...	0	2	3									9	3	7
Carried forward			7	0	10	5	5	8	Grey metal	...				0	3	0
									Total	...						
														24	0	0

No. 1,009.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 10 Hole, below the Tile Sheds. August 31st, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4				Brought forward	5	4	9	16	0	0
Yellow clay	0	2	2				Brown post, with water	0	3	0			
Blue clay	14	2	10				Blue metal	0	2	2			
Stony clay	1	0	8				White post	0	0	5			
				16	0	0	Blue metal, with white						
Yellow post, with							and brown post						
water	2	2	8				partings	1	3	1			
Yellow post	1	0	11				Blue metal	0	0	10			
Yellow post, with soft							Black metal	0	0	6			
brown partings ...	0	1	9				COAL	0	2	11			
White post, with water	0	1	0								8	5	8
Brown and white post													
mixed	1	4	5										
Carried forward	5	4	9	16	0	0	Total				24	5	8

No. 1,010.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 11 Hole, West of the Tile Sheds. December 2nd 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4			
Yellow clay	0	2	0			
Brown stony clay ...	11	1	4			
Blue clay	1	1	4			
Brown clay	7	2	0			
				20	1	0
Total				20	1	0

No. 1,011.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 12 Hole, West of the Tile Sheds. December 18th, 1867.

Approximate surface level feet above sea (Ordnance datum).

								Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	...	0	0	5			
Clay	...	...	...	...	...	...	...	4	1	9			
Brown stony clay	...	...	...	...	...	...	...	5	0	10			
Blue clay and sand partings	...	...	...	...	...	...	...	0	4	0			
Brown boulder clay	...	...	...	...	...	...	...	5	0	6			
Sand	...	...	...	...	...	...	...	0	1	0			
Boulder clay	...	...	...	...	...	...	...	4	3	6			
											20	0	0
Total	...	...	...	...	...	...	...				20	0	0

No. 1,012.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 13 Hole, on West Side of Tile Sheds. January 6th, 1868.

Approximate surface level feet above sea (Ordnance datum).

								Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	...	0	0	6			
Yellow clay	...	...	...	...	...	...	...	0	5	0			
Brown clay, with gravel	...	...	...	...	...	...	...	3	4	6			
Brown clay, mixed with coal and gravel	...	...	...	...	...	...	...	2	5	0			
Brown clay, with sand partings	...	...	...	...	...	...	...	0	3	0			
Brown clay, mixed with coal and white and yellow post	...	...	...	...	...	...	...	2	0	4			
											10	0	4
Strong white post	...	...	...	...	...	...	...	0	1	3			
Carried forward	...	...	...	...	...	...	...	0	1	3	10	0	4
Brought forward	...	...	...	...	...	...	...	0	1	3	10	0	4
Brown clay, mixed with coal, sand, and gravel	...	...	...	...	...	...	...	4	1	5			
Sand, with water	...	...	...	...	...	...	...	0	1	0			
Rotten brown post	...	...	...	...	...	...	...	0	4	0			
Brown post, with sand partings	...	...	...	...	...	...	...	1	0	3			
Brown and white post mixed	...	...	...	...	...	...	...	1	2	1			
Rotten brown post	...	...	...	...	...	...	...	0	3	10			
Black metal	...	...	...	...	...	...	...	0	0	3			
COAL	...	...	...	...	...	...	...	0	3	0			
											8	5	1
Total	...	...	...	...	...	...	...				18	5	5

No. 1,013.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.

No. 14 Hole, on West Side of Tile Sheds. January 15th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	8				Brought forward	4	1	0	11	2	0
Yellow clay	0	3	0				Brown post, with sand						
Brown stony clay	2	0	4				partings	0	5	2			
Brown stony clay, with							Dry rotten brown post	0	2	2			
water	3	3	0				Blue metal	0	1	2			
Brown sand, mixed							Yellow post	0	1	0			
with coal and gra-							White post	0	2	8			
vel	5	1	0				Grey post	0	1	6			
				11	2	0	Dark metal	0	0	2			
Rotten brown post ...	0	4	0				COAL	0	3	6			
Brown post, with water	0	4	0								7	0	4
Brown post	2	5	0				Black metal				0	0	4
Carried forward	4	1	0	11	2	0	Total				18	2	8

No. 1,014.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 15 Hole, in Mr. Forster's Ling Pasture Field. February 5th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	0	2	8				Brought forward	2	0	7	6	1	9
Brown strong clay ...	0	5	7				Grey metal	0	1	6			
Brown shaly post ...	4	3	5				White post	2	4	8			
Grey metal	0	1	1				Grey metal	0	1	1			
COAL	0	1	0				COAL	0	0	9			
				6	1	9					5	2	7
Seggar clay	0	0	9				Grey metal	0	2	2			
White post	0	2	2				Dark metal	0	1	6			
Grey metal, with white							Blue metal	1	4	6			
post girdles	1	0	4				Black metal	0	0	6			
Grey metal	0	2	4				COAL	0	3	3			
Black metal, with coal											2	5	11
mixture	0	1	0				Thill stone				0	0	6
Carried forward	2	0	7	6	1	9	Total				14	4	9

No. 1,016.—HAMSTEELS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	4	6	Brought forward	1	5	6	17	0	9
Rotten yellow post ...	2	1	2				Brown post ...	1	0	0			
COAL ...	0	0	10				White post ...	0	2	0			
COAL, mixed with							White and brown post	1	1	10			
brown post ...	0	0	3				Brown post, with water	2	4	4			
				2	2	3	Blue metal ...	0	5	4			
Grey metal, with white							White post ...	0	1	6			
post girdles ...	0	3	8				Blue metal, with white						
White and grey post	1	1	10				post girdles ...	0	4	8			
COAL ...	0	0	6				Dark metal ...	0	0	5			
				2	0	0	COAL ...	0	3	9			
Grey metal ...	0	3	0								9	5	4
Rotten and brown post	1	2	6										
Carried forward	1	5	6	17	0	9	Total ...				*27	0	1

* Approximate sea level 448 feet below this.

No. 1,017.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 18 Hole, up Hedgeside, to North of Tile Sheds. March 23rd 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	0	2	3	9	1	2
Rotten brown post,							Grey metal, with white						
with gravel ...	1	4	2				post girdles ...	2	3	3			
Strong brown post ...	0	3	0				White and brown post	0	4	11			
Rotten brown post ...	1	3	0				Grey metal ...	0	1	10			
Blue metal ...	0	4	1				White post ...	0	1	7			
Yellow and white post	2	0	5				Grey metal ...	0	1	10			
Dark metal ...	0	1	7				Black metal ...	0	1	3			
Light grey metal ...	1	0	3				COAL ...	0	2	3			
Black metal ...	1	1	6								5	1	2
COAL ...	0	0	8										
				9	1	2	Seggar ...	0	1	11			
Seggar clay ...	0	2	3				White post ...	0	2	2			
											0	4	1
Carried forward	0	2	3	9	1	2	Total ...				15	0	5

No. 1,018.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Hamsteels Royalty, near Quebec. 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	0	4	0			
Brown post	0	3	0			
Soft brown post	0	3	4			
Brown and white post	2	1	0			
COAL	0	0	6			
Brown post	0	3	0			
Grey metal	0	5	1			
Black metal	0	4	10			
COAL	0	0	10			
Seggar clay	0	2	10			
Grey metal, with post girdles	2	0	1			
COAL	0	0	2			
Grey metal, with post girdles	3	1	4			
Dark metal	0	1	5			
COAL	0	2	5			
				12	3	10
Dark metal	0	1	0			
Grey metal	0	1	9			
White post	0	2	9			
Grey metal	0	3	0			
White post, with metal partings	1	0	10			
White post, with metal partings	0	5	2			
COAL and metal ...	0	2	4			
				3	4	10
Seggar	0	1	8			
Blue grey metal ...	0	3	5			
COAL , foul... ..	0	1	7			
Grey metal	2	2	10			
Black metal	0	0	7			
COAL	0	0	4			
Grey metal	0	4	3			
White post	2	4	0			
Black metal	0	0	2			
COAL	0	1	11			
				7	2	9
Grey metal	0	2	2			
Grey metal girdles ...	0	4	0			
White post	0	4	2			
Dark grey metal ...	0	0	7			
Carried forward	1	4	11	23	5	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	11	23	5	5
COAL	2	2				
COAL , foul	0	4				
				0	2	6
Grey metal	0	1	0			
Grey metal, with post girdles	0	3	6			
White post	5	5	8			
COAL	0	0	8			
				6	4	10
Grey metal	0	3	0			
Grey post	2	2	0			
COAL	0	0	4			
				2	5	4
Grey metal	1	0	9			
Dark grey post	0	2	2			
Black metal	0	0	2			
Grey metal	0	0	2			
Grey post, with metal partings	0	5	0			
White post	0	1	0			
Grey post	6	0	0			
Grey metal	0	1	10			
Black metal	0	0	2			
COAL	0	9				
COAL , danty	0	2				
COAL	2	1				
				0	3	0
Into grey metal (June 1st, 1868)						
Total				45	1	6

No. 1,019.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of the Boring in Milton House Royalty, near Hamsteels. July 28th, 1870.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	3	0				Brought forward				23	1	3
Brown post ...	4	0	6				Grey metal, with post						
COAL ...	0	1	5				girdles ...	4	0	0			
				4	4	11	Brown and grey post	3	4	0			
Grey shale ...	4	5	6				Grey shale ...	1	0	0			
Black shale ...	0	0	6				COAL ...	0	1	0			
COAL ...	0	0	7								8	5	0
Grey shale, with post							Grey shale ...	0	2	0			
girdles ...	2	5	0				COAL ...	0	0	5			
COAL ...	0	1	9				Grey shale ...	2	0	0			
				8	1	4	White post, with brown						
Grey shale ...	1	1	6				partings ...	5	0	0			
Brown and grey post	2	1	0				Grey shale stone ...	2	3	0			
Grey shale stone ...	0	4	0				COAL ...	0	0	8			
Brown and grey post,							Grey shale ...	0	1	6			
with partings ...	1	4	0				White post ...	2	1	0			
Grey shale, with post											12	2	7
girdles ...	4	1	4										
COAL ...	0	1	2										
				10	1	0							
Carried forward				23	1	3	Total ...				44	2	10

No. 1,020.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Section of the Strata in the Taylor Pit, Hamsteels Colliery. 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...				16	0	0	Brought forward	8	2	9	16	0	0
Yellow post and water	3	3	7				Brockwell Seam—						
Yellow post and soft													
partings ...	0	1	9				COAL ...						
White post and water	0	1	0				Ft. In.						
Brown and white post	1	4	5				COAL ...	0	6				
Brow post and water	0	3	0				Band ...	0	0½				
Blue metal ...	0	2	2				COAL ...	2	4½				
White post ...	0	0	5								0	2	11
Blue metal ...	1	4	5										
											8	5	8
Carried forward	8	2	9	16	0	0	Seggar ...				0	2	6
							Total ...				25	2	2

No. 1,021.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Bored in Hamsterley Ground, in Shafto's Plain, near the South Field House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	3	0				Brought forward	6	0	0			
Brown stony clay ...	1	3	3				Soft blue clay ...	0	1	6			
Sand, with a small							Black stony clay ...	1	3	0			
spring of water ...	0	3	9				Soft blue clay, mixed						
Soft clay, mixed with							with sand ...	0	2	0			
sand ...	0	3	0				Brown sand ...	0	1	0			
Sand, mixed with clay	1	0	0				Soft blue clay, mixed						
Black sand and coal,							with sand ...	0	2	0			
with water ...	0	3	0				Black stony clay ...	1	3	0			
Brown sand ...	0	2	0				Clay, mixed with sand	0	2	6			
Brown and black sand,							Black stony clay ...	4	0	0			
with water ...	1	0	0								14	3	0
Carried forward	6	0	0				Total ...				14	3	0

No. 1,022.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. about Long.

Second Hole, in South-west part of the Ground, near Medomsley Lane.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	3	0				Brought forward	2	5	3			
Soft brown and grey							Grey and brown metal	1	2	0			
metal ...	0	1	6				Whin girdle ...	0	0	4			
Soft rotten coal, with							Grey and brown metal,						
water ...	0	3	4				with grey girdles ...	1	4	6			
Soft grey metal ...	1	0	0				Brown and grey scamy						
COAL, soft...	0	0	9				stone, with post ...	1	2	6			
Black grey metal ...	0	0	3				Brown post, with red						
COAL, with water...	0	0	7				and brown partings	2	4	0			
Soft grey metal ...	0	1	8								10	0	7
COAL ...	0	0	2				Total ...				10	0	7
Carried forward	2	5	3										

No. 1,023.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Third Hole, West Side of the Lane, in the Pasture Ground.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy gravel, with water ...	0	4	8				Brought forward	7	4	8			
Stony clay ...	1	1	6				Grey post, with much water ...	0	0	6			
Brown and grey sandy post, with brown scamy partings (set away the water) ...	1	3	0				Grey post, with brown scamy partings ...	0	3	0			
Grey and brown post girdles, with brown, grey, and black scamy partings ...	2	1	8				Brown and grey sandy stone, with water...	2	2	0			
Open grey and brown post, with much water ...	1	0	0				Grey post girdles ...	0	0	8			
Strong grey post ...	0	2	4				Soft brown and sandy post ...	0	1	0			
Soft grey and black scamy post ...	0	0	10				Black metal ...	0	1	0			
Grey and brown post	0	1	8				Blue and brown metal	0	5	0			
Soft black danty metal, with coal ...	0	1	0				Soft black metal, with black girdles ...	1	0	9			
Carried forward	7	4	8				Black metal ...	0	2	0			
							COAL, with water...	0	0	11			
							Grey metal, with brown scames ...	0	1	0	13	4	6
							Total ...				13	4	6

No. 1,024.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. Long.

Fourth Hole, in the High Part of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	4	6				Brought forward	2	0	2			
Sand, with a small feeder of water ...	0	1	8				Stony clay ...	5	0	0			
Carried forward	2	0	2				Blue metal ...	0	1	4			
							Carried forward	7	1	6			

No. 1,024.—HAMSTERLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	6				Brought forward				10	2	7
Soft black metal, with girdles ...	1	1	10				Grey metal or thill ...	0	1	0			
COAL, with water...	0	1	1				Brown metal...	0	0	8			
				8	4	5	Brown and blue scamy metal ...	0	3	4			
Grey metal, with brown scames ...	0	2	0				Grey post girdles, with blue scamy partings	0	4	6			
White grey metal ...	0	3	0								1	3	6
Blue metal, with cat-heads ...	0	3	6										
Black metal, scared with coal ...	0	0	8										
COAL ...	0	1	0										
				1	4	2							
Carried forward				10	2	7	Total ...				12	0	1

No. 1,025.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Fifth Hole, in the middle of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	5	6				Brought forward	6	5	11			
Soft grey metal ...	0	1	6				Black and blue metal	0	3	0			
Grey metal, mixed with coal ...	0	0	6				COAL, with water ...						
Grey and brown scamy metal ...	0	3	0				Blue metal ...	0	1				
Black slaty metal ...	0	0	2				COAL, with water ...						
COAL, with a small siping of water ...	0	0	7								0	3	1
Grey metal or thill ...	0	1	0								8	0	0
Brown metal, with brown girdles ...	0	1	8				Grey metal or thill ...	0	1	0			
Grey post girdles, with metal partings ...	1	0	0				Grey post ...	0	1	0			
Grey post girdles, with water ...	1	1	0				Grey metal ...	0	4	0			
Blue and brown scamy metal, with brown and grey post girdles	1	3	0				COAL ...	0	0	9			
							Black slaty metal ...	0	0	9			
Carried forward	6	5	11				Grey metal ...	0	1	6			
							COAL ...	0	0	6			
							Grey metal ...	0	3	0			
											2	0	6
							Total ...				10	0	6

AN ACCOUNT OF THE STRATA OF
No. 1,026.—HAMSTERLEY.
TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Sixth Hole, in the Pasture Ground, near the bottom of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown gravelly clay, with a small sipping of water near the bottom ...	1	0	0				Brought forward	4	1	0			
Blue and brown scamy metal ...	1	0	0				Brown metal, with grey scames ...	1	1	0			
Blue and black metal	0	1	6				Blue and black metal	0	3	6			
COAL ...	0	0	8				COAL, with water...	0	2	3			
Soft black and brown metal ...	0	0	10				Black metal ...	0	0	9			
Brown and grey open post, with brown scamy partings and water ...	1	4	0				Grey metal ...	1	3	0			
							Whin girdle ...	0	0	6			
Carried forward	4	1	0				Grey metal ...	1	0	0			
							COAL ...	0	0	6			
							Grey metal ...	0	5	8			
											10	0	2
							Total ...				10	0	2

No. 1,027.—HAMSTERLEY.
TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata bored through in Hamsterley Estate, belonging to Robert Surtees, Esq.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey and brown post ...	4	0	0				Brought forward	5	3	1	11	5	11
Black metal, mixed with coal ...	0	0	6				Grey metal ...	0	5	0			
Brown metal...	0	1	6				Brown post, mixed with whin ...	0	1	6			
Grey metal ...	2	4	0				Grey and brown metal girdles ...	2	0	9			
COAL ...	0	0	10				Grey post ...	0	4	0			
				7	0	10	Grey metal girdles ...	6	0	0			
Brown metal...	4	2	0				Grey post, with water	7	0	0			
Grey and brown metal, mixed with whin ...	0	2	6				Grey metal ...	7	1	4			
COAL ...	0	0	7				Grey post ...	0	4	0			
				4	5	1	Grey metal ...	1	4	4			
Brown post ...	0	1	6				Into whin (got, March 30th) ...	0	2	5			
Black grey metal ...	0	3	0								32	2	5
Grey and brown metal	2	2	7				Total ...				44	2	4
Whin (got, Oct. 14th; through, Dec. 14th)	2	2	0										
Carried forward	5	3	1	11	5	11							

No. 1,028.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of a Boring at Harbour House, 100 yards East of the Boathouse, by the River-side.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, clay, &c. ...	...	...	...	...	2	0	0			
Stone, &c. (to <i>Hutton Seam</i>)	...	...	...	...	6	0	0			
								8	0	0
Total	...	...	...	...				8	0	0

No. 1,029.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of a Boring, 300 yards East from the Burn running through the Harbour House Estate.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, clay, and gravel	...	...	...	...	7	3	0			
Shale, &c. ...	...	...	...	...	1	3	0			
COAL — <i>Hutton Seam</i>	...	...	...	...	0	4	4			
								9	4	4
Total	...	...	...	...				9	4	4

No. 1,030.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 49' 33", Long. 1° 33' 24".

Strata sunk through in the Northernmost Shaft at Harbour House, the surface being about 12 fathoms above River.

Approximate surface level 105 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	...	...	...	...	1	0	3			
Freestone, &c. ...	...	...	...	...	8	2	0			
COAL — <i>Brass Thill Seam</i>	...	...	...	...	0	2	7			
								9	4	10
Freestone, shale, &c. (to top of <i>Hutton Seam</i>)	...							5	4	6
Total	...	...	...	...				*15	3	4

* Approximate sea level 11½ feet below this.

No. 1,031.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. about 54° 49' 13", Long. 1° 33' 51".

Approximate surface level 40 feet above sea (Ordnance datum).

Account of a Boring in Harbour House Moor, near Cocken Ford, on the West Side of the River.

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, with gravel	...	...	...	...	...	3	0	0			
Sand	...	...	...	...	...	3	0	0			
Gravel	...	...	...	...	...	0	4	0			
						1	2	0			*
Soft clay	...	...	...	...	...	3	0	0			
Soft sand	...	...	...	...	...	1	0	0			
Gravel	...	...	...	...	...	3	0	0			
Into grey post	...	...	...	...	...						
(No Hutton Seam.)											
									15	0	0
Total	...	...	...	...	...				15	0	0

* Approximate sea level (Ordnance datum).

No. 1,032.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 49' 9", Long. 1° 33' 51".

Strata bored through in Harbour House Moor, near Cocken Ford.

Approximate surface level 45 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, with gravel	...	3	0	0			Brought forward	15	0	2			
Sand, with large tumblers	...	3	2	0			Strong grey postgirdle	0	0	9			
Gravel, with water	...	0	2	0			Soft freestone	...	0	2	10		
		1	5	0		*	Hard grey whin	...	0	0	9 ³ / ₄		
Soft clay, mixed with sand and water	...	2	3	0			Strong grey post	...	3	3	9		
Soft sand, very quick	...	1	0	0			Hard grey whin, with water	...	0	1	4		
Soft sand, with gravel and water	...	3	0	2			Strong grey post	...	1	4	3		
							Dark grey metal	...	1	0	0		
Carried forward	15	0	2				COAL, coarse	...	0	1	4		
											22	3	2 ³ / ₄
							Carried forward				22	3	2 ³ / ₄

* Approximate sea level (Ordnance datum).

No. 1,032.—HARBOUR HOUSE MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	3	2 ³ / ₄	Brought forward	5	3	2	33	3	2 ¹ / ₂
Dark grey metal ...	1	4	3				Strong white post, with						
Dark post, with metal							water ...	2	0	0 ¹ / ₂			
partings and water	3	4	1				Grey metal, inclining						
Strong grey metal,							to post ...	2	4	11			
with post girdles ...	3	0	0				Strong white post ...	5	2	5			
Grey metal, with part-							Grey post ...	2	0	0			
ings ...	1	5	0 ³ / ₄				Strong white post, with						
Hard post girdle ...	0	0	9				girdles and water...	2	0	0			
Strong grey metal ...	0	3	0				Dark grey metal, mixed						
Blue metal ...	0	0	6				with coal ...	0	1	4			
COAL, foul ...	0	0	4				COAL, good ...	0	1	10			
				10	5	11 ³ / ₄					20	1	8 ¹ / ₂
Grey metal thill ...	0	2	0				Strong grey metal ...	0	1	3			
Strong grey metal,							Strong white post ...	5	2	10 ¹ / ₂			
with partings ...	5	0	6								5	4	1 ¹ / ₂
Grey whin girdles ...	0	0	8										
Carried forward	5	3	2	33	3	2 ¹ / ₂	Total ...				59	3	0 ¹ / ₂

No. 1,033.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 44 of Ordnance Map. Lat. , Long.

Account of the Borings in Hardwick Estate.

First place, near Thorp Leazes, about a quarter of a mile West of Grindon, and about 100 yards West of the Turnpike Road leading to Stockton. May 30th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	13	5	0			
Brown stony clay ...	1	0	0				Gravelly clay, with a						
Brown stony clay, with							mixture of sand ...	0	3	0			
sandy partings ...	5	5	3				Stony clay, with whin						
Sandy gravel, with a							tumblers ...	4	5	0			
siping of water ...	0	1	3				Sand ...	0	2	0			
Brown stony clay, with							Stony clay ...	0	2	3			
sandy partings ...	4	2	9				Sand, with water near						
Sand and gravel ...	0	4	0				the bottom ...	2	0	9			
Brown stony clay ...	1	3	0								22	0	0
Carried forward	13	5	0				Total ...				22	0	0

No. 1,034.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 50 of Ordnance Map. Lat. _____, Long. _____

*Second place, in one of Mr. Stonehouse's Fields, near the Brook side, by Thorp.
June 19th, 1810.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward				18	3	6
Stony clay	4	4	0				Light brown thready						
Leafy clay	0	3	6				limestone, with part-						
Sand	1	4	0				ings, and a very						
Leafy clay	0	3	0				strong feeder of						
Sand	0	3	6				water at 19½ fathoms	1	0	0			
Leafy clay	0	4	0				Layers in beds of lime-						
Brown stony clay, with							stone from 6 to 9						
hard tumblers ...	7	1	0				inches thick, with						
Red stony clay ...	0	3	0				marly partings from						
Red and grey metal							2 to 3 inches thick	6	3	0			
or marl	1	5	6								7	3	0
				18	3	6							
Carried forward				18	3	6	Total				26	0	6

Put in 9 fathoms of large round boxes and 18 fathoms of small boxes.

N.B.—This hole was lost by the boxes failing. The water came in such force as to wash all away behind the boxes, and one of the splices then failing the rods got behind them in the clay.

No. 1,035.

*Third place, below Blakeston, near the Oak Plantation.
June 20th, 1810.*

	Fs.	Ft.	In.
In sand, with water	2	0	0

No. 1,036.

*Fourth place, about 400 yards West from the above when the
Red Gravel appears.*

	Fs.	Ft.	In.
Sand and gravel	1	2	0

No. 1,037.

*Fifth place, in the West Side of the Field below Mr. Stonehouse's,
by the Brook side.*

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Soft clay, with a whin tumbler at bottom	1	1	6			
				1	3	0

No. 1,038.

Sixth place, 10 yards East from the above.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Soft clay	0	4	6			
				1	0	0

No. 1,039.—HARDWICK.

TOWNSHIP OF SEDGEFIELD, DURHAM.

Sheet 44 of Ordnance Map. Lat. , Long.

Hole bored in Hardwick Estate, South-east from Layton. November 29th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	1	0				Brought forward				32	5	0	
Stony clay, with tumblers	5	1	0				Soft whitish brown marly limestone, with hard girdles, and set away some water at 36 fathoms, and raised some at 38 fathoms ...	8	1	4				
Sand	0	4	0				Red marl	0	1	6				
Stony clay, with tumblers	8	3	0				Limestone, with water	0	1	2				
Sand	3	0	0				Red and brown marl	0	2	0				
Sand, with a mixture of clay	1	0	0				Strong whitish brown limestone	0	0	6				
Stony clay	5	0	0				Marly partings and thin girdles ...	1	0	0				
Sandy brown limestone tumbler ...	0	0	5				Whitish limestone ...	0	5	6				
Stony clay	3	0	0				Soft marly limestone	3	2	0				
Leafy clay, with scares of sand	1	0	0								14	2	0	
Stony clay	5	1	7				Soft marly limestone, with hard nodules or girdles					7	0	0
				32	5	0								
Carried forward ...				32	5	0	Total				54	1	0	

No. 1,040.—HARDWICK.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Strata bored through in No. 1 Hole upon the Hardwick Royalty, about 500 yards West of Sprucely Farm House, by the Roadside leading to Hardwick House. By William Coulson. Commenced July 1st, 1838.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	8	1	0			
Strong blue clay, with tumbling stones and water	8	0	0				Limestone marl ...	2	0	0			
							Mild limestone, with water	15	1	0			
Carried forward	8	1	0				Carried forward	25	2	0			

No. 1,041.—HARDWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	9	30	5	2
Strong brown free-stone or sandstone, with water ...	3	0	1			
Strong red post, with water ...	0	2	9			
Brown post, with water	0	5	10			
Strong red and white post, with metal parting and water	1	3	8			
Red metal ...	0	1	1			
Blue metal, with some thin post girdles ...	3	3	0			
COAL ...	0	3	0			
				11	0	2
Grey metal ...	0	0	3			
Black metal, mixed with <i>coal</i> ...	0	0	11			
Dark grey and white scamy post, mixed with metal at top and some water ...	6	3	9			
Grey metal and metal stone ...	0	3	7			
Black metal, mixed with <i>coal</i> and water	0	2	2			
Dark grey metal, with scares of <i>coal</i> ...	0	3	5			
Grey metal and metal stone, with post in places, and water ...	2	2	2			
COAL , foul or splint	0	0	7			
				10	4	10
Grey metal ...	0	2	5			
Black metal, with scares of <i>coal</i> ...	0	2	9			
Strong grey metal and metal stone, with post girdles ..	2	1	1			
Whin (got, July 19th; through, July 22nd)	0	0	7			
Strong grey metal, with post girdles and <i>coal pipes</i> ...	0	5	1			
Dark grey metal, with post girdles near the bottom ...	1	4	6			
COAL , foul at bottom	0	2	10			
				6	1	3
Strong grey metal and metal stone, mixed with post ...	3	1	3			
Whin, mixed with grey post (got, Aug. 8th; through, Aug. 13th)	0	1	6			
Carried forward	3	2	9	58	5	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	9	58	5	5
Strong grey metal, with iron girdles, and scared with <i>coal</i> in some places ...	2	1	7			
COAL , foul... ..	0	3	0			
				6	1	4
Strong grey metal and metal stone, mixed with post in places	2	4	7			
Dark grey metal, mixed brassy <i>coal</i> at bottom ...	0	1	2			
Strong grey metal and metal stone, mixed with post and some water ...	3	3	4			
Grey metal, mixed with <i>coal</i> and water	0	2	10			
Strong white post ...	0	4	0			
Strong grey metal, with post girdles at top and ironstone girdles at bottom ...	2	5	1			
COAL , foul... ..	0	0	4			
				10	3	4
Grey metal ..	0	0	10			
Stony white and grey post, with metal partings ...	2	3	7			
Stony grey metal and metal stone, with post girdles ...	3	4	6			
Black metal ...	0	0	10			
Blue metal, darkish in places, and ironstone girdles ...	1	1	11			
Dark grey and black metal ...	1	1	5			
COAL , foul, mixed with metal ...	0	0	8			
Strong grey metal and metal stone, mixed with post ...	4	0	5			
Dark grey metal, with post girdles ...	0	1	7			
COAL ...	Ft.	In.				
	2	10				
Grey metal ...	0	3 $\frac{1}{2}$				
COAL , foul ..	0	7 $\frac{1}{2}$				
				0	3	9
				14	1	6
Into grey metal ...				0	2	2
Total ...				90	1	9

No. 1,042.—HARESHAW.

TOWNSHIP OF CHARLTON EAST, NORTHUMBERLAND.

Sheet 60 of Ordnance Map. Lat. 55° 10' 7", Long. 2° 18' 7".

Section of Strata at Bowrigge, or Bearsmouth, on Hareshaw. 1846.

Approximate surface level 605 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	3	0			
Dark grey thill	2	3	0			
Blue whin	0	1	4			
Strong grey shale	2	3	0			
Blue whin	0	5	0			
Dark shale	3	0	0			
Blue whin	1	0	0			
COAL	0	0	6			
				12	3	10
Bituminous shale	0	4	0			
Dark coloured shale...	1	2	0			
Carried forward	2	0	0	12	3	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0	12	3	10
Soft friable freestone	0	3	0			
Black bituminous shale	0	0	6			
				Ft.	In.	
COAL				0	6	
Black bitumi-						
nous shale	2	6				
COAL	2	0				
				0	5	0

* Approximate sea level 508 $\frac{1}{2}$ feet below this.

No. 1,043.—HARGILL.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 41' 31", Long. 1° 45' 20".

Section of Strata at Hargill Colliery, Witton-le-Wear, near Bishop Auckland.

Approximate surface level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	3	5			
Clay ...	1	3	9				Post ...	0	0	6			
Blue metal ...	1	4	8				Blue metal ...	1	1	0			
Carried forward	3	3	5				Carried forward	4	4	11			

No. 1,043.—HARGILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	11				Brought forward	8	3	10	5	4	11
<i>Main Coal or Brock-</i>							Black band ...	0	0	5			
<i>well Seam—</i>							COAL ...	0	0	3			
COAL ...	1	4					Inferior fire clay, with						
Band ...	0	2					iron balls ...	1	1	3			
COAL ...	4	6					COAL — <i>Victoria</i>						
							<i>Seam</i> (or seam lately						
	1	0	0				worked at <i>Victoria</i>						
				5	4	11	Colliery) ...	0	1	7			
Good fire clay ...	0	1	6								10	1	4
White clay and blue							Hard and very inferior						
metal ...	2	4	8				clay ...				0	2	0
Grey metal, with post													
girdles ...	1	2	7										
Blue metal ...	3	1	5										
Very inferior fire clay	0	5	8										
Carried forward	8	3	10	5	4	11	Total ...				*16	2	3

* Approximate sea level 391 $\frac{3}{4}$ feet below this.

No. 1,044.—HARGILL.

TOWNSHIP OF HOWDEN-LE-WEAR, NEAR DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Borehole at Hargill Colliery, Howden-le-Wear, near Bishop Auckland.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post ...	4	0	0				Brought forward	11	0	3			
Sand ...	0	0	6				<i>Seam worked at Mar-</i>						
White post ...	2	3	6				<i>shall Green Drift—</i>						
Blue metal ...	1	0	3				COAL ...	0	7 $\frac{1}{2}$				
White clay ...	0	5	0				Band ...	0	2				
COAL pipings ...	0	0	6				COAL ...	0	7 $\frac{1}{2}$				
Blue metal ...	2	2	6								0	1	5
											11	1	8
							Very hard post ...				0	0	3
Carried forward	11	0	3				Total ...				11	1	11

AN ACCOUNT OF THE STRATA OF

No. 1,045.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long. *Borings at Harlow Hill. First Hole.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	2	0	0				Brought forward	4	5	4			
COAL ...	...	.	0	0	4				COAL ...	0	0	3			
Clay ...	...	...	0	1	6				Black stone ...	1	3	5			
Grey stone ...	...	...	2	3	6				COAL ...	0	0	4½			
													6	3	4½
Carried forward			4	5	4				Total ...				6	3	4½

No. 1,046.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long. *Second Hole, about 150 yards North of William Smith's House.*

Approximate surface level feet above sea (Ordnance datum).

								Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	...	...	...	...	...	1	5	0			
Soft white post			...	...	...	...	...	0	3	6			
COAL ...	...	...	...	...	...	...	...	1	0	3			
In the thill ...	...	...	...	...	...	...	...	0	1	3			
											3	4	0
Total			...	...	...	...	...				3	4	0

No. 1,047.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long. *Third Hole, about half way between the First and Second.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	1	1	0				Brought forward			3	1	0			
Freestone	...	...	1	2	0				Grey metal	...	...	0	2	0			
Cash	...	...	0	2	0				COAL	...	...	0	0	2			
COAL	...	...	0	2	0												
Carried forward			3	1	0				Carried forward			3	3	2			

No. 1,047.—HARLOW HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	2				Brought forward	1	1	2	6	1	10
Grey metal ...	2	1	0				Grey stone and raised						
	Ft.	In.					water ...	0	2	3			
COAL ...	2	1					Grey metal ...	2	0	0			
Grey metal ...	0	8									3	3	5
COAL ...	0	11											
			0	3	8								
						6	1	10					
Grey metal ...	1	1	2										
Carried forward	1	1	2	6	1	10	Total ...				9	5	3

No. 1,048.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Fourth Hole, 19 yards 1 foot North-west from the Third Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	3	0			
Soft white post	0	3	6			
COAL ...	0	3	6			
				3	4	0
Soft blue grey thill ...				0	1	0
Total				3	5	0

No. 1,049.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Fifth Hole, 30 yards North from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	0	0				Brought forward	6	1	3			
Blue grey metal ...	2	3	0				Blue grey metal ...	0	1	5			
COAL ...	0	0	2				COAL ...	0	0	4			
Blue grey metal ...	0	2	1				Blue grey metal ...	0	1	0			
COAL ...	0	2	0								6	4	0
Carried forward	6	1	3				Total ..				6	4	0

No. 1,050.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Sixth Hole, 45 yards East from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	2	0	0			
		Ft.	In.			
COAL		1	5			
Grey metal		0	2			
COAL		0	10			
		—		0	2	5
Grey metal				0	2	0
				————		
					2	4 5
Total					2	4 5

No. 1,051.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Seventh Hole, 90 yards South-east from the Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	5	0			
Dun white post	3	4	6			
COAL	0	2	6			
Blue grey metal thill	0	1	0			
				5	1	0
Total				5	1	0

No. 1,052.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map.

Lat.

, Long.

Eighth Hole, half way between Second and Seventh Holes.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	1	0	6			
Dun white post	...	...	...	...	...	...	2	4	7			
COAL	...	...	...	...	...	...	0	2	8			
Blue grey metal	...	...	...	...	...	...	0	0	7			
										4	2	4
Total	...	...	...	...	...	...				4	2	4

No. 1,053.—HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map.

Lat.

, Long.

Account of Strata bored through in the Second Hole at the Terminus of the Bishop Auckland and Weardale Railway, near Hope's New House. the Railway Tavern, at Crook, upon the Harperley Estate. 1839.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	0	1	0				Brought forward	3	3	2	5	0	9		
Yellow clay	...	...	...	0	3	0				Dark grey metal	...	0	3	0				
Strong blue clay	...	...	...	2	1	8				Grey metal and post								
Strong grey metal,										girdles	...	1	0	0				
with water	...	...	...	1	1	10				Grey post, with water	...	3	0	0				
COAL, with a										Dark grey metal, with								
spring of wa-	Ft.	In.								post girdles	...	1	2	0				
ter	...	...	...	3	5													
Band	...	...	...	0	4					COAL	...		2	4				
COAL	...	...	...	1	6					Band	...	...	0	5½				
				0	5	3				COAL	...	...	0	8				
							5	0	9	Band	...	...	1	10				
Dark grey metal, with										COAL	...	...	4	4				
scares of coal	...	...	...	0	1	1								1	3	7½		
Grey metal, with post										Splint	...	...	...	0	0	4		
girdles and water...	...	...	...	1	0	0											11	0
Strong white post,																		1½
with water	...	...	...	2	0	0												
COAL, with water...	...	...	...	0	2	1												
Carried forward				3	3	2	5	0	9	Total	...	...	...				16	0
																	10½	½

No. 1,054.—HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Harperley Royalty, near Crook.
January 3rd, 1840.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	0	1	2	14	5	7
Yellow clay	0	1	0				Strong grey metal						
Strong blue clay	0	4	0				stone, with post						
Gravel, with water	0	3	6				girdles	2	3	0			
Strong clay	1	2	0				Grey metal	1	0	0			
Soft brown freestone	0	5	0				Dark grey metal	0	1	9			
Brown and white free-							COAL , with Ft. In.						
stone, and set away							water	2	3				
the water	2	3	0				Dark grey metal	1	2				
Strong grey post	3	0	0				COAL	0	10				
COAL , with water...	0	5	2					0	4	3			
				10	0	8					4	4	2
Dark grey metal, with							Dark grey metal, with						
scares of <i>coal</i>	0	1	0				scares of <i>coal</i>	0	3	0			
Grey metal, with post							Grey metal stone, with						
girdles	0	3	7				post girdles	1	0	0			
Strong white post,							Grey post, with water	1	0	0			
with water	1	0	4				Dark grey metal, with						
Strong grey metal,							water	0	5	0			
with post girdles	2	0	0										
Grey metal	0	3	11				COAL	4	4				
COAL , with water...	0	2	1				Splint	0	5				
				4	4	11		0	4	9			
Dark grey metal, with											4	0	9
scares of <i>coal</i>	0	1	2				Dark grey metal	1	0	0			
							Strong white post,						
							with water	0	1	6			
											1	1	6
Carried forward	0	1	2	14	5	7	Total				25	0	0

No. 1,055.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

*Account of the boring of a Hole from the bottom of a Staple in the Boundary Pit,
between the Boundary Pit Dyke and the Main Dyke, in Harraton Outside
Colliery. Begun April 6th. finished August 21st, 1819.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the <i>Hutton</i>							Brought forward	0	1	6			
<i>Seam</i>				80	0	0	Grey metal stone, with						
Box	0	1	6				strong girdles	4	4	6			
Carried forward	0	1	6				Carried forward	5	0	0			

[illegible]

TOWNSHIP OF HARRATON, DURHAM.

*Account of Strata sunk through in the New Pit, about half a mile West of Fatfield
Stables Farm House, Harraton.*

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	...	1	2	0			Brought forward	10	0	0				
Brown and blue clay								White sandy post	...	6	0	2			
and sand (chinley								COAL	...	0	0	6			
clay)	...	...	8	4	0							16	0	8	
Carried forward			10	0	0			Carried forward				16	0	8	

No. 1,056.—HARRATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				16	0	8		Brought forward			35	4	5
Freestone, shale, etc....	19	1	7					Freestone, shale, etc....	8	0	11		
COAL	...	...	...	19	3	9		COAL—5/4 Seam ...	0	3	10		
											8	4	9
Carried forward				35	4	5		Total ...			44	3	2

No. 1,057.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

Harraton New Up-cast Shaft.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, sand, and gravel	...	...	...	20	4	0
COAL	...	...	...	0	2	0
Strata	...	...	...	11	1	5
COAL	...	...	...	0	3	6
				12	0	11
Total	...	...	...	32	4	11

No. 1,058.—HARTFORD.

TOWNSHIP OF WEST HARTFORD, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 6' 13", Long. 1° 35' 49".

Account of the Strata in the Athey Pit, Hartford Colliery. March 3rd, 1858.

Approximate surface level 162 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In box	...	...	...	11	3	0		Brought forward	35	3	0		
In borehole	...	...	...	15	3	0	*	Coal pipe post	...	0	0	6	
Strong white post,								COAL	...	...	0	2	9
mixed with whin	...	...	...	8	3	0					36	0	3
Carried forward	35	3	0					Carried forward			36	0	3

* Approximate sea level (Ordnance datum).

No. 1,058.—HARTFORD.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						36	0	3	Brought forward			4	0	0	39	1	2
Grey thill	...	...	0	3	3				Grey post	...	...	1	3	0			
Blue metal	...	...	2	3	0				Brown girdle	...	...	0	1	0			
COAL	...	...	0	0	8				Grey stone, mixed								
						3	0	11	with girdles	...	...	1	3	0			
Grey thill	...	...	0	3	0				Blue stone	...	...	0	3	0			
Grey post, mixed with									COAL	...	...	0	5	5			
girdles	...	...	1	3	0										8	3	5
Whin	...	...	0	2	0				Grey thill	...	...				0	0	5
Grey post	...	...	1	3	0												
Whin	...	...	0	1	0				Total	...	...				47	5	0
Carried forward			4	0	0	39	1	2									

No. 1,059.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 45", Long. 1° 28' 16".

Account of the Whin Pit, Hartley Colliery. By John and Robert Watson.
August, 1754.

Approximate surface level 91 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Earthwork			8	0	0				Brought forward			22	0	0			
Grey metal	...	...	1	3	0				Metal Coal Seam—								
Grey post	...	...	5	4	0					Ft.	In.						
			5	2	0			*	COAL	...	1	6					
Grey metal, with post									Grey metal								
girdles	...	...	1	3	0				stone	...	1	4					
									COAL	...	2	0					
												0	4	10			
															22	4	10
Carried forward			22	0	0				Carried forward						22	4	10

* Approximate sea level (Ordnance datum).

No. 1,059.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	4	10
Blue metal	8	0	0			
Strong sharp black metal	0	1	8			
Carried forward	8	1	8	22	4	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	1	8	22	4	10
COAL — <i>Main Seam</i>	0	4	6			

I am of opinion that the *Metal Coal* is the seam which Mr. Shallet is at present endeavouring to win at Chirton.—J. W.

July, 1755.—Although I was of opinion, in August, 1754, that this was *Hartley Metal Coal*, I am now more fully of opinion that it is *Long Benton Seam*, as it seems to be so by many convincing symptoms.—J. W.

No. 1,060.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Boring at nigh Gouldness (Golden) Hole, for the use of Francis Blake Delaval, Esq.
Begun 30th October, 1754.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	0	2	0				Brought forward	4	5	3	14	0	9
Grey metal	2	3	0				Grey metal	0	1	0			
Grey post, with metal partings	1	1	0				White post	2	2	0			
Grey post, with whin girdles	3	0	0				Grey stone	0	4	6			
Black metal	0	4	0				Grey post, with metal partings	1	0	6			
COAL	0	0	9				Grey metal, with cat-heads	1	4	0			
				7	4	9	Blue metal	0	1	6			
Grey metal stone	5	4	0				Black metal, with cat-heads	0	1	6			
Black metal	0	3	3										
COAL	0	0	9				COAL	1	2				
				6	2	0	COAL , mixed with black metal	2	0				
Grey metal	1	0	0							0	3	2	
Blue metal	0	5	3								11	5	5
Grey post, with metal partings	0	5	0				Thill and grey metal	0	1	4			
White post, with water	1	3	0				Grey metal stone	2	1	6			
Blue metal	0	1	6										
Black metal	0	2	6				Carried forward	2	2	10	26	0	2
Carried forward	4	5	3	14	0	9							

No. 1,060.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	2	10	26	0	2		Brought forward	2	5	0	44	3	6
White post ...	0	3	0					Grey scamy post, with						
Whin ...	0	1	2					whin girdles ...	1	3	6			
Grey scamy post ...	2	4	10					Grey metal stone ...	0	3	0			
Grey metal stone ...	0	2	0					Grey metal. with cat-						
Blue metal, with cat-								head girdles ...	1	0	10			
head girdles ...	1	1	6					Black metal ...	0	1	0			
COAL ...	0	3	6											
				8	0	10								
Grey thill ...	0	0	3					COAL ...						
White and grey post,														
with whin girdles ..	0	3	3					Grey metal ...	1	1				
Blue metal, with whin								COAL, with						
girdles ...	0	1	6					metal bands	1	10				
Black metal, mixed														
with coal ...	0	3	9								0	5	2	
Grey post ...	2	1	3											
Grey metal stone ...	1	0	0					Grey thill ...	0	0	4			
Grey metal ...	2	1	4					White and grey post	1	3	0			
Black metal ...	0	1	4					Grey metal stone ...	0	1	8			
COAL, with metal								Blue metal, with whin						
bands ...	0	2	4					girdles ...	3	0	0			
				7	3	0		Black metal, with cat-						
Thill and grey metal	0	2	0					head girdles (<i>Mussel</i>						
Grey metal stone ...	1	4	0					<i>Scalp</i>) ...	0	1	11			
Black metal, with coal								COAL ...	0	0	1			
pipes ...	0	2	6									5	1	0
COAL, mixed with								Grey thill ...	0	0	4			
brown scamy metal	0	3	0					Blue metal, with whin						
				2	5	6		girdles ...	0	3	8			
Grey thill ...	0	0	6					Grey scamy post, with						
Grey metal stone ...	0	2	0					whin girdles ...	0	4	0			
Blue metal, with cat-								Blue metal, with cat-						
head girdles ...	0	4	0					heads ...	0	4	9			
Grey metal stone ...	1	4	6					Black metal ...	0	1	4			
								COAL ...	0	4	5			
Carried forward	2	5	0	44	3	6						3	0	6
								Grey thill ...				0	1	6
								Total ...				60	1	0

No. 1,061.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Boring upon the Sea Bank, nigh the Bates, Hartley Lordship, from the bottom of the present working Coal. Begun 25th July, 1755.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	0	1	0				Brought forward	3	0	0			
Grey post, with whin							Grey metal, with cat-						
girdles ...	2	4	0				heads or girdles ...	3	3	0			
Black metal, mixed							Grey post, with metal						
with coal ...	0	1	0				partings ...	0	4	0			
Carried forward	3	0	0				Carried forward	7	1	0			

No. 1,061.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	0				Brought forward	13	1	11	14	5	9
Grey metal, with cat-heads ...	2	3	6				COAL ...						
Blue metal ...	0	2	0				Black metal bands ...	0	5				
COAL ...	0	0	9				COAL ...	0	7				
Black metal, mixed with coal pipes ...	0	2	0						0	2	4		
COAL ...	0	1	6								13	4	3
Black metal, mixed with coal ...	0	2	0				Grey post ...	0	3	0			
COAL ...	0	1	0				Blue metal stone ...	2	5	3			
				11	1	9	COAL ...	0	0	9			
Thill and grey metal	1	1	3				Grey post ...	1	1	4			
White post, with water	2	2	3				COAL ...	0	0	8			
COAL ...	0	0	6								4	5	0
				3	4	0	White and grey post	1	2	7			
Thill and grey metal	1	0	0				COAL, mixed with dant ...	0	0	5			
Grey post, with whin girdles ...	0	3	3				Thill and blue metal...	1	0	0			
Blue metal, with post girdles ...	2	4	0				COAL ...	0	1	0			
Black metal ...	0	2	0								2	4	0
Grey metal stone ...	1	4	0				Thill and grey metal	0	3	0			
Blue metal ...	0	4	9				White post, mixed with whin...	0	1	6			
Black metal, with coal pipes ...	0	1	3				Blue metal ...	0	0	6			
Grey post ...	0	3	0				COAL ...	0	0	8			
Blue metal ...	0	2	0								0	5	8
Grey metal stone ...	1	3	0				Thill and grey metal	0	3	4			
Grey metal ...	1	0	0				Mixture of whin and post ...	0	4	0			
Grey metal stone ...	1	3	0								1	1	4
Blue metal, with post girdles ...	1	1	8										
Carried forward	13	1	11	14	5	9	Total ...				38	2	0

No. 1,062.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 16", Long. 1° 29' 30".

Account of Strata sunk through below the Benton Seam to the Yard Coal Seam, in the Nightingale Pit, Hartley Colliery.

Approximate surface level 111 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to Benton or High Main...				15	0	0	Brought forward				26	0	0
Sharp blue stone ...	3	3	0				Grey metal ..	3	0	0			
	1	3	0			*	Blue metal ...	3	0	0			
Soft grey metal ...	3	0	0				White post ...	12	0	0			
Strong grey metal, with post girdles ...	2	4	4				Blue stone ...	1	0	0			
COAL ...	0	1	8				COAL — Yard Coal	0	3	6			
				11	0	0					19	3	6
Carried forward				26	0	0	To Low Main ...				27	0	0
							Total ...				72	3	6

* Approximate sea level (Ordnance datum).

No. 1,063.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Hartley Colliery, from the Yard Seam to the Low Main Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From the top of <i>Yard Seam</i> to the top of post or hard stone where water was got	8	2	0				Brought forward	0	3	2	21	4	5
From the top of the post to the top of metal that lies on <i>Metal Coal</i> ...	10	4	0				Grey metal stone, with girdle	1	5	6			
Blue metal, with whin girdles	1	4	8				Blue metal, with whin girdles	1	0	0			
<i>Metal Coal Seam</i> —							Mussel and scalp girdles	0	0	3			
COAL , top	2	1					Grey post, with white post girdles ...	0	4	1			
Blue stone...	1	2					White and grey post— <i>Main Post</i> ...	0	4	6			
COAL , bot-							Blue metal, with 4 or 5 inches of whin girdles	0	5	8			
tom ...	2	6					Blue metal, with cat-heads	0	4	8			
				0	5	9	Black stone or <i>Coal Head</i>	0	0	10			
Thill and grey metal stone				21	4	5	COAL — <i>Low Main Seam</i>	0	3	11			
				0	3	2					7	2	7
Carried forward	0	3	2	21	4	5	Total				29	1	0

No. 1,064.—HARTLEY.

TOWNSHIP OF

Sheet 81 of Ordnance Map. Lat. , Long.

Boring from the Metal to the Main Coal, Hartley Colliery. May 3rd, 1757.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey thill	0	0	4				Brought forward	5	5	0			
White and grey post	1	3	0				Grey post, with whin girdle	0	4	0			
Grey metal stone ...	0	1	8				Blue metal, with cat-heads	0	4	9			
Blue metal, with whin girdles	3	0	0				Black metal	0	1	4			
Black metal and <i>coal (Mussel Scalp)</i> ...	0	2	0				COAL	0	4	5			
Grey thill	0	0	4								8	1	6
Blue metal, with whin girdles	0	3	8				Grey thill				0	1	6
Carried forward	5	5	0				Total				8	3	0

T

No. 1,065.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in Hartley Grounds, to the East from Holywell, on the South side of the Burn.
November 28th, 1757.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				0	3	9	Brought forward				12	3	8
Bored :—							Soft blue metal ...	0	2	3			
Brown post ...	1	0	0				White and grey scamy post ...	4	5	0			
Brown and grey girdly post, with red scamy partings ...	3	1	0				Whin, mixed with strong white post...	0	2	2			
Soft sandy partings, with water which rose to top ...	0	0	5				White and grey post, with scamy partings	5	2	0			
Brown and grey post, with red partings...	1	1	0				Soft blue and grey metal ...	0	1	9			
Strong grey post, mixed with whin ...	0	2	0				COAL ...	Ft. In.					
Brown and red ramblly stone ...	0	4	0				Soft black danty metal ...	0	3				
Grey and brown metal	0	1	0				COAL, foul...	0	6				
COAL, foul...	0	0	4				COAL ...	0	4				
				6	3	9				1	0	3	
Grey metal, with post girdles and water...	3	3	0								12	1	5
Blue and black metal	1	4	0				Black metal, mixed with coal ...	0	0	5			
Black metal, mixed with coal ...	0	0	2				Grey and black metal	0	0	4			
COAL, hard ...	0	1	0				COAL ...	0	0	2			
				5	2	2					0	0	11
							In white grey metal...				0	0	4
Carried forward				12	3	8	Total ...				25	0	4

No. 1,066.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Boring in the second place in Hartley Ground, about yards to the South from the first place. February 27th, 1758.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	5	9			
Soft brown sandy clay	1	0	0				Grey post ...	1	1	6			
Stony clay ...	3	2	6				Black metal, mixed with coal ...	0	0	6			
Sand and gravel ...	0	1	0				Grey metal ...	0	3	4			
Stony clay ...	1	3	0				Red and grey scamy metal ...	1	1	0			
Stony clay, mixed with ramble ...	0	4	3										
Carried forward	6	5	9				Carried forward	10	0	1			

No. 1,066.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	1				Brought forward				19	0	9
Whin	0	2	0				Red scamy metal stone	0	1	3			
Grey and white post, with brown scamy partings and water in some places ...	8	2	6				Strong white post, mixed with whin ...	0	2	6			
Grey and blue metal, with red scamy partings	0	1	8				White and red scamy post	1	0	9			
COAL, mixed with grey and brown metal	0	0	6				Grey metal, with gir- dles or lumps ...	2	0	0			
				19	0	9	Blue and black metal	1	3	0			
							COAL, foul ...	0	0	8			
											5	2	2
Carried forward				19	0	9	Grey metal				0	1	0
							Total				24	3	11

No. 1,067.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 10'', Long. 1° 30' 26''.

Account of the fourth Borehole, to the High Main Seam, about 446 yards North, 70¾ yards East from Hester Pit in a Field in front of Seaton Red House, Hartley, and on the North side of the Dyke North of Hester Pit.

Approximate surface level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	10				Brought forward	3	0	7	6	3	3
Clay	1	2	0				Post girdle	0	0	5			
Brown post, with open gullet at bottom and water	0	4	0				Grey metal, with thin post girdles ...	0	3	7			
Brown post, with 3 in- ches of coal pipes at bottom	0	3	3				Blue metal, very dark at bottom	1	1	4			
Coarse and soft brown post	1	3	5				COAL	0	0	11			
COAL	0	0	2								5	0	10
				4	2	8	Grey metal	0	2	0			
Brown post	1	1	10				Grey metal, mixed with post	0	2	2			
Very strong brown post	0	1	1				Very hard post girdle	0	0	5			
White post	0	1	4				Grey metal, mixed with post	0	1	9			
Grey metal	0	1	5				Post girdle	0	0	5			
COAL	0	0	11				Grey metal, mixed with post	1	3	3			
				2	0	7	White post	0	1	3			
Grey metal	0	1	9				Whin	0	1	9			
White post	0	2	8				White post, mixed with whin	0	1	1			
Grey metal, mixed with post	0	1	0				Very hard whin ...	0	0	11			
White post	0	0	11				Hard white post ...	1	0	11			
Grey metal	1	1	11								3	0	9
Post girdle	0	0	3				COAL—High Main Seam	0	4	1			
Grey metal	0	1	6								8	2	9
Dark grey metal ...	0	2	7										
Carried forward	3	0	7	6	3	3	Total				20	0	10

* Approximate sea level (Ordnance datum).

No. 1,068.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of a Borehole, 20 yards South from Hartley Colliery Boundary.
November 29th, 1844.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	4	0				Brought forward	7	0	10			
Sand and gravel ...	0	4	0				Grey shale, with coal						
Clay ...	2	3	6				pipes ...	0	2	0			
Grey shale ...	0	2	6				COAL, with black						
COAL ...	0	0	4				stone ...	0	1	8			
Grey shale, with coal							Thill stone ...	0	1	6			
pipes ...	0	4	0				Grey shale ...	0	3	0			
COAL ...	0	0	6				Grey shale ...	0	2	6			
											8	5	6
Carried forward	7	0	10				Total ...				8	5	6

No. 1,069.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 51", Long. 1° 28' 29".

Account of the different Strata met with in sinking the Mill Pit, Hartley Colliery.
Begun October 16th, 1830.

Approximate surface level 90 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.
Outset ...	2	0	4				Brought forward	7	1	10		
Soil ...	0	1	6				White post ...	0	3	0		
Clay and sand ...	2	1	0				Whin ...	0	0	4		
COAL ...	0	2	0				White post ...	0	4	8		
Thill ...	0	1	0				Grey metal stone ...	0	0	6		
Grey metal stone ...	1	0	6				Strong white post ...	0	4	0		
Post girdles ...	0	1	6				Grey metal stone ...	2	3	6		
Grey metal stone, with												
post girdles ...	1	0	0									
Carried forward	7	1	10				Carried forward	11	5	10		

No. 1,069.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	5	10				Brought forward	18	2	0	24	0	10
COAL , with metal													
bands ...	0	2	2				COAL ...	1	7				
Thill ...	0	3	0				Dark grey metal						
Grey metal stone ...	0	4	0				band ...	1	7				
Post, with grey metal	1	3	0				COAL ...	1	11				
stone partings ...	2	1	2			*				0	5	1	
Grey metal stone ...	0	3	6								19	1	1
COAL ...	0	3	4				Grey metal, with post						
Thill ...	0	1	6				girdles ...	1	5	6			
Grey metal stone ...	0	1	1				White post ...	0	1	6			
White post, with gir-							Grey whin ...	0	0	10			
dles ...	0	2	11				Brown whin ...	0	2	6			
Blue metal partings...	0	0	3				Grey metal, with post						
Post ...	0	2	3				girdles ...	0	3	4			
Dark blue metal, with							Dark grey metal, with						
ironstone ...	0	0	5				ironstone girdles ...	0	5	4			
COAL , ground ...	0	1	3				Post girdles ...	0	0	6			
Thill ...	0	1	9				Dark grey metal ...	0	4	10			
Grey metal ...	1	2	5				Mussel scalp ...	0	0	3			
Blue metal, with iron-							Dark grey metal ...	1	0	0			
stone girdles ...	1	4	9				White girdle (a little						
Black stone ...	0	1	3				water) ...	0	0	7			
Clay parting...	0	0	1				Grey metal ...	0	4	2			
Soft grey metal ...	0	1	5				Post girdle ...	0	0	10			
Black stone ...	0	1	0				Grey metal, with iron-						
COAL , with metal							stone girdles ...	1	4	0			
bands ...	0	0	6				Black stone ...	0	0	9			
				24	0	10	COAL — <i>Main Coal</i>						
Soft thill ...	0	4	6				<i>Seam</i> (water to here						
Blue and grey metal,							about 100 gallons						
with whin balls							per minute) ...	0	4	6			
(about 1 stroke per											9	3	5
minute to here, 12													
in. barrel) ...	2	1	10				Thill ...	0	0	3			
Post or granite (6 fa-							COAL , ground ...	0	2	1			
thoms of which is							Grey metal ...	0	0	8			
exceedingly hard							Post, with metal ...	1	2	0			
and porous, with gul-											1	5	0
lets, where strong													
feeders of water							<i>Bored further:—</i>						
were got; various							Grey post ...	1	3	11			
feeders were wedged							Dark grey metal, with						
back, sometimes							post girdles ...	4	3	3			
amounting to 800							Grey metal ...	0	2	9			
gallons per minute;							Dark grey metal, with						
7 fathoms of metal).							post girdles ...	1	4	0			
Tubbing put in ...	11	0	6				COAL , foul, mixed						
Grey metal, with post							with bands (12 in-						
girdles ...	0	2	9				ches black at top)...	1	0	0			
White post ...	0	1	4				Grey metal thill ...	1	0	9			
Grey metal, with post							Grey post ...	2	2	4			
girdles ...	0	5	2				Dark grey metal, with						
Dark grey metal, with							post girdles ...	5	2	0			
ironstone girdles ...	1	1	2								18	1	0
White post ...	0	1	6										
Grey metal, with post													
girdles ...	1	1	3										
Carried forward	18	2	0	24	0	10	Total ...				72	5	4

* Approximate sea level (Ordnance datum).

No. 1,070.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Strata sunk through at Hartley Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay sand and to the											57	3	7	
<i>coal</i>	5	0	0					Grey thill	0	0	3			
Post	16	3	0					White and grey post	0	3	3			
White post	2	5	2					Blue metal	0	1	6			
<i>High Main Seam—</i>								Black metal, mixed						
	Ft.	In.						<i>with coal</i>	0	3	9			
COAL	5	2						Grey post	2	1	4			
Clay	0	3						Grey metal stone ...	1	0	4			
COAL ,ground 1	4							Grey metal stone ...	2	1	4			
	—			1	0	9		Black metal stone ...	0	1	4			
				25	2	11		COAL , with metal						
Thill	0	1	0					bands	0	2	4			
Blue metal	0	4	8						—			7	3	5
Black metal	0	5	1					Thill and grey metal	0	2	0			
Blue metal	3	3	5					Grey metal stone ...	1	4	1			
Black metal	3	3	11					Black metal and <i>coal</i>						
Grey metal, with gir-								<i>pipes</i>	0	2	6			
<i>dles</i>	3	3	1					COAL , mixed with						
Blue metal	0	3	11					metal	0	3	0			
COAL—Metal Coal	0	1	10						—			2	5	7
				13	2	11		Grey thill	0	0	6			
Thill	0	0	5					Grey metal stone ...	0	2	0			
Grey metal, with post								Blue metal	0	4	0			
<i>girdle</i>	1	4	1					Grey metal stone ...	1	4	6			
White post	0	4	0					Grey and scamy post	1	3	6			
Whin	0	1	7					Grey metal stone ...	0	3	0			
White post	0	3	3					Grey metal stone, with						
Blue metal	0	2	6					<i>girdles</i>	1	0	10			
White post	2	3	6					Black metal	0	1	0			
Grey metal, with gir-														
<i>dles</i>	0	2	8						Ft.	In.				
White post	0	4	6					COAL	2	3				
Grey metal	0	2	4					Grey metal	1	1				
Blue metal	2	4	9					COAL , with						
COAL , mixed with								metal band... ..	1	10				
stone	0	2	6						—			0	5	2
				11	0	1						7	0	6
Black stone	0	1	6					Grey thill	0	0	4			
White post	0	2	2					White and grey post	1	3	0			
Grey metal	0	1	2					Grey metal stone ...	0	1	8			
Post girdle	0	0	3					Blue metal stone ...	3	0	0			
Grey metal	0	0	4					Black metal stone ...	0	1	11			
Post girdle	0	0	10					COAL	0	0	1			
Grey metal	0	2	4						—			5	1	0
Blue metal	0	0	4					Grey thill	0	0	4			
White post	4	3	5					Blue metal	0	3	8			
Blue stone	0	5	9					Grey and scamy post	0	4	0			
COAL—Yard Seam	0	3	7					Blue metal	0	4	9			
				7	3	8		Black metal	0	1	4			
								COAL—Hartley Main	0	4	5			
									—			3	0	6
Carried forward				57	3	7		Total				83	2	7

No. 1,071.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 10", Long. 1° 29' 24".

Sunk at the Delaval Pit, Hartley Colliery, from the Surface to the Yard Coal.

Approximate surface level 106 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset soil and clay...	6	1	7			
Post and blue clay ...	6	5	1			
White post— <i>Main</i>	4	3	4			
<i>Post</i> ...	6	2	2			*
<i>High Main Seam</i> —						
	Ft.	In.				
COAL ...	5	2				
Clay ...	0	3				
COAL ,ground 1	4					
	1	0	9	25	0	11
Thill ...	0	1	0			
Blue metal ...	0	4	8			
Black metal ...	0	5	1			
Blue metal ...	3	3	5			
Black metal ...	3	3	11			
Grey metal stone, with girdles ...	3	3	1			
Blue metal ...	0	3	11			
COAL — <i>Grey Seam</i> or <i>Metal Coal</i> ...	0	1	10	13	2	11
Thill ...	0	0	5			
Grey metal, with post girdles ...	1	4	1			
White post ...	0	4	0			
Whin ...	0	1	7			
White post ...	0	3	3			
Blue metal ...	0	4	6			
White post ...	2	3	6			
Grey metal, with girdles ...	0	2	8			
White post ...	0	4	6			
Grey metal, with girdles ...	0	2	8			
Blue metal, with cat-heads ...	2	3	4			
White post ...	3	0	0			
Blue metal ...	0	5	6			
COAL — <i>Yard Seam</i>	0	3	8	15	1	8
<i>Continued, July 1st, 1819 :—</i>						
Thill blue metal, with post girdles and <i>foul coal</i> ...	1	5	0			
Grey metal stone ...	2	2	0			
Grey metal stone ...	0	5	0			
Carried forward	5	0	0	53	5	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	0	53	5	6
Blue stone ...	2	1	0			
COAL , mixed with slaty stone...	0	2	0			
				7	3	0
Grey metal stone, with post girdles ...	3	2	0			
Grey metal stone ...	1	5	0			
COAL , coarse (1 yard thick at one side and 6 inches at the other)	0	2	0			
				5	3	0
Grey metal ...	1	1	0			
Post girdle ...	0	1	0			
Whin girdle ...	0	1	0			
Grey metal ...	2	0	0			
Black stone ...	0	0	8			
<i>Metal Coal Seam</i> —						
	Ft.	In.				
COAL ...	2	0				
Stone band...	1	2				
COAL ...	2	2				
	0	5	4			
				4	3	0
Grey post ...	0	4	6			
Grey metal, with girdles ...	1	3	0			
Whin girdle ...	0	0	6			
Blue stone, with iron-stone girdles ...	1	1	0			
Whin girdle ...	0	1	0			
White and grey post	1	2	0			
Blue metal, with cat-head girdles ...	1	3	0			
Black stone ...	0	1	0			
COAL — <i>Main Coal Seam</i> ...	0	4	0			
				7	2	0
<i>Bored further :—</i>						
Strong white post ...	4	1	0			
COAL ...	0	0	6			
Thill ...	0	0	10			
Strong grey metal, with strong post girdles ...	2	5	7			
COAL ...	0	0	10			
				7	2	9
Carried forward				86	1	3

* Approximate sea level (Ordnance datum).

No. 1,071.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				86	1	3	Brought forward	5	4	3	86	1	3
Thill ...	0	3	0				Grey metal, with post						
Strong blue metal ...	3	0	0				girdles ...	1	0	0			
Strong grey metal,							Blue metal, with iron-						
with post girdles ...	1	0	3				stone girdles ...	6	0	0			
Blue metal, with thin											12	4	3
girdles ...	1	1	0										
Carried forward	5	4	3	86	1	3	Total ...				98	5	6

No. 1,072.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 2", Long. 1° 30' 45".

Account of Strata sunk through at the Hester Pit, Hartley Colliery. Commenced January 1st, 1845. Low Main Seam reached May 29th, 1846.

Approximate surface level 102 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From top crib to soil	0	4	0				Brought forward	1	3	3	14	1	0
Soil ...	0	1	0				Grey metal stone ...	0	5	4			
Strong clay ...	3	3	9				COAL ...	0	2	5			
Sand, with water—											2	5	0
Stone Head ...	0	5	0				Strong grey metal						*
Grey metal stone ...	0	5	3				stone ...	0	2	3			
COAL , very soft ...	0	1	4				Whin girdle ...	0	1	2			
				6	2	4	Soft grey metal stone	0	2	6			
Black stone ...	0	0	8				Strong grey metal						
Thilly grey metal stone	1	5	8				stone ...	0	3	1			
Grey post girdles, with							Grey and white post,						
water ...	0	0	8				with much water						
Grey metal stone ...	0	5	5				(60—40 gallon tubs						
Post girdle, with water	0	0	8				per hour) ...	1	0	0			
Grey metal stone and							Whin girdle ...	0	2	6			
thin post girdles ...	2	2	7				White post, with water	5	3	9			
COAL , very soft ...	0	0	5				Grey metal ...	0	0	10			
				5	4	1	Scamy post ...	0	3	6			
Thill stone ...	0	5	3				Grey metal ...	0	1	3			
Soft grey metal stone	0	1	2				COAL ...	0	0	8			
Strong post girdle and											9	3	6
water ...	0	2	8				Thill ...	0	1	4			
Strong grey metal							Mild scamy post and						
stone ...	0	2	5				metal partings ...	1	1	9			
COAL , strong ...	0	1	1				Grey metal and whin						
				2	0	7	(from 4 in. to 1 ft.						
Mild grey post ...	1	3	3				10 in. thick) ...	2	5	2			
Carried forward	1	3	3	14	1	0	Carried forward	4	2	3	26	3	6

* Approximate sea level (Ordnance datum).

No. 1,072.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	3	26	3	6
Black stone, with mus-						
sels in top part ...	1	3	0			
COAL ...	0	1	6			
				6	0	9
Thill ...	0	0	8			
Grey metal, with post						
girdles ...	2	1	10			
Whin girdle ...	0	0	10			
Strong white post, with						
water ...	1	0	11			
COAL — <i>High Main</i>						
<i>Seam</i> ...	0	4	6			
				4	2	9
Soft thill ...	0	0	3			
Black stone, mixed						
with <i>coal</i> ...	0	2	3			
Soft grey metal ...	0	0	8			
Dark grey metal,						
mixed with <i>coal</i> ...	0	4	2			
Grey metal ...	0	5	2			
Grey metal stone and						
balls of ironstone ...	1	1	7			
Black metal, mixed						
with <i>coal</i> ...	0	4	4			
Dark grey metal ...	0	1	8			
Post and metal part-						
ings, with a little						
water ...	7	1	8			
Strong grey post, with						
whin girdles and a						
little water ...	6	3	8			
<i>Grey Seam</i> —	Ft.	In.				
COAL , soft	1	1				
Grey metal						
band ...	0	3½				
COAL , hard	2	6½				
			0	3	11	
				18	5	4
Dark grey metal ...	0	2	2			
Grey metal and post						
girdles ...	2	0	10			
Grey metal and balls						
of ironstone ...	1	3	9			
Black stone, mixed						
with <i>coal</i> ...	0	4	8			
Thill, mixed with balls						
of whin ...	0	5	0			
Strong grey metal						
stone ...	1	1	10			
Strong grey metal and						
post girdles ...	2	3	8			
Strong white post,						
mixed with whin ...	1	3	0			
Carried forward	11	0	11	56	0	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	0	11	56	0	4
Grey metal, with post						
girdles ...	2	0	0			
COAL — <i>Yard Seam</i>	0	2	9			
				13	3	8
White thill ...	0	4	0			
Dark grey metal ...	0	4	4			
COAL ...	0	1	2			
				1	3	6
Soft black stone ...	0	0	2			
Grey metal thill ...	0	3	0			
Strong grey metal						
stone and post ...	2	0	6			
Dark grey metal ...	0	2	1			
Grey metal thill ...	0	4	0			
Strong grey metal						
stone and balls of						
whin ...	4	3	9			
Strong white post,						
mixed with whin,						
very wet ...	10	1	0			
Blue metal and iron-						
stone girdles ...	0	3	2			
COAL , with slaty						
partings ...	0	1	7			
				19	1	3
Strong grey metal and						
post girdles ...	0	2	6			
White post ...	0	1	6			
Strong grey metal ...	0	1	4			
COAL and black						
stone — <i>Bensham</i>						
<i>Seam</i> ...	0	1	11			
				1	1	3
Grey metal thill ...	0	2	4			
Grey metal and post						
girdles ...	0	3	6			
Grey post ...	0	1	4			
Grey metal, with iron-						
stone girdles ...	1	1	2			
Mussel scalp ...	0	0	6			
Strong grey metal ...	0	4	4			
Strong white post ...	0	1	6			
Strong grey metal,						
mixed with post ...	1	2	6			
Jet or black stone ...	0	0	6			
COAL — <i>Low Main</i>						
<i>Seam</i> ...	0	3	4			
				5	3	0
Thill ...				0	4	0
Strong grey metal and						
post girdles ...				2	2	0
Total ...				100	1	0

No. 1,073.—HARTLEY BURN.

TOWNSHIP OF HARTLEY BURN, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. 54° 55' 25", Long. 2° 31' 38".

*Strata on the North side of the Great Stublick Dyke, at Hartley Burn Colliery,
nine miles West of the Town of Alston.*

Approximate surface level 600 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Moss and clay	...	8	0	0				Brought forward		4	4	0	10	0	0
Plate	...	1	4	0				COAL (a workable							
COAL	...	0	2	0				seam)	...	0	4	0			
					10	0	0						5	2	0
Grey beds	...	1	0	0				Hazel sill	...	2	0	0			
Hazel sill	...	0	3	0				Grey beds and plate	...	2	0	0			
Grey beds	...	1	0	0				COAL (workable at							
Hazel sill	...	0	4	0				Blackshield Bog)	...	0	2	4			
Plate	...	1	3	0									4	2	4
Carried forward		4	4	0	10	0	0	Total	...				*19	4	4

* Approximate sea level 481 $\frac{2}{3}$ feet below this.

No. 1,074.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 9 $\frac{1}{2}$ ", Long. 1° 26' 28".

*Strata bored through in the Green Lane, 12 chains to West of Boldon Turnpike, in the
property of the Dean and Chapter of Durham, and within a few yards of the
Copyhold Estate of Chas. Milner, Esq., of Biddick, Harton Estate. No. 1
Hole. Commenced 7th March, 1836.*

Approximate surface level 75 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	1	0				Brought forward					10	2	6
Yellow clay	...	1	4	0				Brown and red post...	...	1	3	0			
Stony clay	...	3	1	6				Stony clay, with scares							
Leafy clay	...	0	2	6				of sand	...	0	3	6			
Stony clay	...	3	1	0				Blue and grey metal,							
Leafy clay	...	0	4	6				with an inch of coal							
Stony clay	...	1	0	0				in the middle	...	0	1	0			
					10	2	6								
Carried forward					10	2	6	Carried forward		2	1	6	10	2	6

* Approximate sea level (Ordnance datum).

No. 1,074.—HARTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6	10	2	6	Brought forward	9	4	6	10	5	6
Yellow post, with a little water	...	0	3	0			Grey metal stone	...	1	2	6		
Grey metal stone	...	3	4	0			Black metal	...	0	0	4		
Brown post, with water	...	2	3	6			COAL	...	0	0	8		
Grey metal stone	...	0	1	6			Grey metal	...	0	4	6		
White post	...	0	2	0			Grey stone	...	1	1	6		
Brown metal...	...	0	1	0							13	2	0
Carried forward	9	4	6	10	5	6	Total	...	...		23	4	6

No. 1,075.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 44", Long. 1° 25' 48".

No. 2 Hole. Strata bored through in the South-west Field, adjoining the Turnpike, in West Pasture Estate, Harton Royalty. Commenced 11th April, finished 21st May, 1836.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	0	6			Brought forward	20	3	2			
Yellow clay	...	0	2	4			Grey metal	...	0	4	6		
Leafy clay	...	1	3	4			Grey metal stone and post girdles	...	0	2	2		
Stony clay	...	11	1	10		*	Dark grey metal	...	0	2	2		
		0	1	4			Grey metal stone and post girdles	...	0	1	3		
Leaf clay, scared with sand	...	2	4	0			COAL	...	0	0	5		
Loamy clay	...	0	2	6							22	1	8
Sand, with a little water	...	0	1	0			Grey metal	...	5	2	2		
Loamy sand	...	2	0	4			Grey metal, scared with coal	...	0	0	7		
Leafy clay	...	0	1	4			COAL	...	0	1	11		
Loamy sand	...	0	0	8							5	4	8
Marl and limestone	...	0	4	0			Left off in grey metal				0	0	4
Grey metal, scared with post	...	0	4	0									
Carried forward	20	3	2				Total	...	...		28	0	8

* Approximate sea level (Ordnance datum).

No. 1,076.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 55", Long. 1° 25' 23".

No. 3 Hole. Strata bored through in the North-east Corner of the North-east Field of West Pasture Estate, Harton Royalty. Commenced 23rd May, finished 11th June, 1836.

Approximate surface level 86 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	...	...	0	0	6				Carried forward	8	5	8						
Yellow clay	...	...	0	2	0				Stony clay (a little									
Blue clay	...	...	1	1	0				water at bottom) ...	3	3	10						
Stony clay	...	...	7	0	2				Loamy sand ...	...	{	1	4	6			*	
Sand	...	...	0	2	0						{	6	1	0				
																20	3	0
Carried forward			8	5	8				Total	...						20	3	0

* Approximate sea level (Ordnance datum).

No. 1,077.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 18½", Long. 1° 25' 22".

No. 4 Hole. Strata bored through in Mr. Watson's (Dean and Chapter), in the South-west, adjoining a Field of Mr. Thomas Bell's, in Whitburn Township, Harton Royalty. Commenced 14th June.

Approximate surface level 80 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	0	9				Brought forward			9	4	6			
Brown clay	...	...	0	4	3				Brown post	...	...	0	3	6			
Leafy swelling clay	...	...	3	0	0				Red rotten stone and								
Strong clay	...	...	5	5	6				loam	...	...	1	4	6			
						9	4	6	Stony clay	...	...	0	1	3			
									Grey metal	...	...	1	0	0			
															3	3	3
Carried forward						9	4	6	Total	...	...				*13	1	9

Lost this Hole in putting in the Boxes.

* Approximate sea level (Ordnance datum).

No. 1,078.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 25' 33".

No. 5 Hole. Strata bored through in a Field called East Flatts, in West Pasture Farm, in the Parish of Boldon, Harton Royalty. Begun September 4th, 1839.

Approximate surface level 85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	4				Brought forward				16	1	6
Brown stony clay ...	7	4	6				Loamy sand ...	2	0	6			
Sand ...	0	1	0				Leafy clay ...	0	2	0			
Brown stony clay ...	1	0	8				Brown sand ...	0	3	0			
Soft brown freestone	3	3	0				Red clay, mixed with						
Brown sand, with							limestone ...	0	1	0			
water ...	0	3	0				In red and grey metal	0	2	6			
Brown sand ...	1	0	6								3	3	0
	2	0	6										
				16	1	6							
Carried forward				16	1	6	Total ...				19	4	6

* Approximate sea level (Ordnance datum).

No. 1,079.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 14", Long. 1° 26' 5".

Strata sunk through in Harton Pit, Harton and Whitburn Collieries. Broke the ground, 10th May, 1841; finished sinking the Sump, 24th July, 1844.

Approximate surface level 77 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	3	3	15	0	2
Yellow clay ...	0	3	0				Dark grey metal or						
Blue leafy clay ...	1	1	0				thill and a little						
Blue gravelly clay	11	0	0				water ...	1	1	6			
	0	3	2				COAL ...	0	0	3			
Red clay ...	1	4	0				Dark grey metal or						
				15	0	2	thill ...	2	0	3			
Soft blue metal stone							COAL and a little						
and a little water...	1	3	0				water ...	0	0	4			
COAL ...	0	0	3				Strong dark and grey						
							metal, mixed with						
Carried forward	1	3	3	15	0	2	post ...	1	3	2			

* Approximate sea level (Ordnance datum).

No. 1,079.—HARTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Carried forward	6	2	9	15	0	2		4	4	1	45	5	2
Strong grey post and water ...	1	1	10										
Grey metal ...	3	0	0										
Black metal ...	0	0	5										
COAL ...	0	1	0										
				11	0	0							
Thill or grey metal ...	0	4	2										
Post girdle ...	0	0	10										
Grey metal post girdles and a little water	2	2	2										
White post girdle and water ...	0	3	5										
Black metal ...	0	2	9										
COAL ...	0	0	4										
				4	1	8							
Thill ...	1	4	0										
Grey post ...	0	3	2										
Grey metal ...	0	2	6										
Grey post, with black partings ...	0	2	8										
Blue metal ...	0	5	8										
COAL ...	0	1	2										
				4	1	2							
Dark grey shale ...	0	4	6										
Grey metal ...	1	4	0										
COAL ...	1	2											
Grey metal band	0	4											
COAL ...	0	6											
				0	2	0							
				2	4	6							
Post, with whin girdles and water ...	1	1	0										
Grey metal and water	0	3	4										
COAL ...	0	6											
Band ...	0	3											
COAL ...	0	3											
				0	1	0							
				1	5	4							
Grey metal, with post girdles ...	1	2	4										
COAL ...	0	0	3										
Grey metal ...	0	5	2										
COAL ...	0	0	2										
Grey metal, with whin, post girdles, and water ...	3	5	7										
COAL ...	1	3 $\frac{1}{2}$											
Brassy band ...	0	3											
COAL ...	1	3 $\frac{1}{2}$											
				0	2	10							
				6	4	4							
Grey shale ...	0	4	0										
Grey metal, with post girdles and water...	2	3	1										
Post and water on rise side of pit ...	1	3	0										
Carried forward	4	4	1	45	5	2							
Post and water on south side of pit ...	6	0	0										
Dark grey metal ...	2	0	0										
COAL ...	0	1	8										
Grey metal or shale...	0	4	0										
Grey post and water...	0	5	2										
White post, with metal partings and water	19	2	8										
Dark grey metal ...	2	4	3										
COAL ...	0	0	8										
Dark grey metal or thill ...	2	4	3										
COAL ...	0	0	5										
				39	3	2							
Brown shale ...	0	0	6										
Grey post, with metal partings and water	1	1	3 $\frac{1}{2}$										
Very damp red and white post...	8	5	8 $\frac{1}{2}$										
COAL , stony ...	0	0	3										
Soft grey metal or thill stone ...	1	1	0										
Strong black metal, mixed with catheads	0	1	5										
COAL ...	0	0	2 $\frac{1}{2}$										
Strong light coloured grey post, with metal partings and whin girdles, also a bleeding of water...	1	4	0										
Dark grey metal ...	1	4	7										
COAL ...	0	2											
Black band ...	0	2											
COAL ...	0	3 $\frac{1}{2}$											
Black band ...	0	1 $\frac{1}{2}$											
COAL ...	0	11											
				0	1	8							
				15	2	7 $\frac{1}{2}$							
Grey metal stone, with whin girdles ...	4	3	4										
Dark grey metal, with ironstone girdles ...	2	3	10										
COAL , foul ...	0	0	5										
Thill or dark grey metal ...	0	2	6										
Dark grey metal stone, with a surfeit and a bleeding of water	2	0	0										
COAL ...	0	0	5										
Grey metal ...	0	1	8										
White post, with whin girdles and water...	4	0	11										
COAL , good ...	0	4											
COAL , black ...	1	1											
				0	1	5							
				14	2	6							
Carried forward				115	1	5 $\frac{1}{2}$							

No. 1,079.—HARTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				115	1	5½
Thill or grey metal ...	0	2	7			
COAL ...	0	0	6			
Dark grey metal stone, with post and whin girdles and water, and <i>coal pipes</i> at bottom of bed ...	2	2	1			
White post, with metal partings ...	2	1	11½			
Grey metal ...	0	1	4			
COAL , strong	Ft.	In.				
and good ...	2	6				
Splint ...	0	6				
	0	3	0			
				5	5	5½
Grey metal ...	0	1	6			
Strong white post, with whin in places and water ...	7	1	7½			
Black stone ...	0	0	3½			
COAL , black slaty...	0	1	5½			
Grey metal, with post girdles ...	2	3	8			
Black metal, with ironstone girdles ...	0	3	0			
COAL ...	0	0	1½			
Dark grey metal, with post and whin girdles ...	2	4	1			
Hard white post, much mixed with whin in beds, also very coarse in the grain and much mixed with small metal and ironstone balls of various colours and a little water (<i>sup- posed 70 Fathoms Post</i>) ...	12	2	6			
Dark blue metal, with metal balls and iron- stone girdles (at a depth of about 1 fathom from the top of this stratum a mussel bed of from 4 to 5 inches in thickness was passed through) ...	1	3	0			
Grey metal, with post girdles ...	1	0	0			
Black stone ...	2	1	5			
COAL , strong and good ...	0	0	6			
				30	5	2
Grey metal, with post girdles ...	3	3	0			
Carried forward	3	3	0	152	0	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	0	152	0	1
White post, with a little water (<i>sup- posed Main Post</i>)	3	1	0			
Grey metal, with iron- stone girdles ...	1	0	0			
<i>Supposed Main Coal Seam—</i>						
COAL ...	Ft.	In.				
Black slaty	1	2				
band ...	0	1				
COAL ...	0	2½				
	0	1	5½			
				7	5	5½
Black slaty stone ...	0	3	0			
Black slaty stone, mixed with <i>coal pipes</i> ...	0	0	6			
Grey shale stone ...	0	5	6			
Grey metal stone ...	3	3	0			
Grey metal, with post girdles ...	5	3	0			
Strong grey post, with metal partings and whin girdles and a little water ...	7	2	2			
Blue metal girdles ...	0	2	0½			
White post girdles, with metal partings	0	2	3			
COAL (<i>supposed Metal Coal Seam</i>)...	0	1	10			
				18	5	3½
Grey thill, with iron- stone balls...	0	4	0			
Strong grey metal, with post girdles ...	1	4	0			
Strong dark grey me- tal, with post girdles	2	2	0			
COAL , splint ...	0	0	5			
Grey metal, with post girdles ...	1	4	0			
Strong white post, with whin girdles...	2	0	0			
Grey whin ...	1	2	0			
Grey metal, with post and iron girdles ...	5	3	1			
Black slaty stone ...	0	1	0			
COAL ...	0	0	9			
Swad ...	0	0	3			
Shale ...	0	4	0			
Grey metal stone, with whin girdles ...	1	1	9			
COAL ...	0	0	3			
Grey metal stone, with post and whin girdles	4	1	3			
Carried forward	21	4	9	178	4	10

No. 1,079.—HARTON.—CONTINUED.

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	4	9	178	4	10			
<i>Yard Seam—</i>	Ft.	In.							
COAL ...	0	8½							
Band ...	0	3½							
COAL ...	3	2							
	—		0	4	2				
						22	2	11	
Thill stone ...	...	...	0	4	2				
Black stone ...	...	...	0	0	5½				
COAL , splinty ...	...	...	0	0	2½				
Grey metal ...	...	...	0	1	2				
Dark grey metal, with ironstone girdles ...	...	...	1	0	2				
Grey metal, with iron- stone girdles ...	...	...	1	5	3				
Grey post, with metal partings ...	...	...	2	3	0				
Dark grey metal, with ironstone girdles ...	...	...	1	2	0				
White post, with whin girdles ...	...	...	0	5	6				
Grey post, with scamy metal partings and whin girdles ...	...	...	3	4	2				
Black metal ...	...	...	0	0	4				
	—								
Carried forward	12	2	5	201	1	9			

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	2	5	201	1	9			
<i>Bensham Seam—</i>									
	Ft.	In.							
COAL , top	3	0							
Splint ...	0	2½							
COAL , bot- tom ...	2	9½							
	—		1	0	0				
						13	2	5	
<i>Sump:—</i>									
Blue metal, with whin, white post, and iron- stone girdles ...	...	...	4	1	4				
<i>Six-Quarter Seam—</i>									
	Ft.	In.							
COAL , splinty	2	0							
COAL , good	1	8							
	—		0	3	8				
Left off in strong grey post ...	...	...	0	3	0				
						5	2	0	
	—								
Total ...	...	...	220	0	2				

No. 1,080.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. $54^{\circ} 46' 20''$, Long. $1^{\circ} 24' 1''$.

Borehole in Haswell Royalty, near Shotton.

Approximate surface level 475 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to limestone	...	...	...	...	...	12	0	0			
Yellow and brown limestone			...	...	...	52	0	0			
Strong blue limestone		...	...	...	...	2	0	3			
Sand and water	...	...	...	...	...	4	0	2			
Blue metal	...	...	...	...	...	1	0	2			
Red metal	...	...	...	...	...	0	1	4			
Black and red metal		...	...	...	...	0	1	0			
									71	2	11
Total	...	...	...	...	...				*71	2	11

* Approximate sea level (Ordnance datum).

No. 1,081.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 48", Long. 1° 25' 17".

Account of Strata sunk and bored in the Engine Pit, Haswell Colliery attempted Winning. February 28th, 1831.

Approximate surface level 438 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset, at the top of							Brought forward	37	5	2			
the pit	1	0	0				Blue limestone in thin						
Soil	0	1	0				beds	0	1	4			
Sandy clay	0	4	6				Grey metal	0	1	1			
Soft limestone marl...	0	5	4				Brown and blue metal						
Mild limestone	3	1	3				upon the sand ...	0	0	10			
Strong and flinty lime-											38	2	5
stone	9	0	11				Sand, with water ...	9	0	0			
Strong limestone, with							Boring commenced in						
white partings and							the sand:—						
water	14	0	0				Sand	10	0	0			
Strong limestone, with											19	0	0
yellow partings and							Strong white post ...	0	3	0			
water	2	5	0				Soft blue metal ...	0	4	2			
Mild limestone, with							Strong white post ...	0	0	10			
blue clay partings							Mild brown post ...	0	0	10			
and water	4	3	0				Red metal	0	2	6			
Strong limestone, with							Strong post	0	1	8			
small brown and							(Left off in the post.)						
blue metal partings	1	0	2								2	1	0
Strong brown lime-													
stone and water ...	0	2	0										
Carried forward	37	5	2				Total				*59	3	5

* Approximate sea level 80½ feet below this.

No. 1,082.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 25", Long. 1° 25' 7".

Account af Strata sunk through at the Engine Pit, Haswell Colliery. July, 1833.

Approximate surface level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset				1	3	0	Brought forward	1	2	0	1	3	0
Soil	0	1	0				Sandy gravel and						
Brown sandy clay ...	0	1	2				water	0	1	2			
Blue clay	0	5	10				Strong blue clay ...	1	3	5			
											3	0	7
Carried forward	1	2	0	1	3	0	Carried forward				4	3	7

No. 1,082.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				4	3	7
Soft limestone marl...	0	5	0			
Mild white limestone	2	3	5			
White limestone (got first water here) ...	6	0	6			
Strong white limestone ...	5	2	11			
Mild limestone and runs a great deal ...	1	0	6			
Mild brown limestone	6	0	7			
Strong brown limestone ...	0	2	8			
Light brown limestone ...	5	4	0			
Strong yellow limestone, mixed with strong balls ...	2	0	4			
Mild white limestone	0	5	0			
Strong white limestone, with water...	8	3	0			
Mild brown limestone	1	1	0			
Strong brown limestone, with water...	2	3	0			
Strong blue limestone	4	0	8			
				47	2	7
Dark blue metal ...	0	1	2			
Strong grey post ...	1	5	4			
Grey metal ...	0	0	8			
Red freestone, with a little water ...	0	0	8			
Strong white post (two wedging cribs laid here) ...	0	3	2			
Strong red post ...	1	2	0			
Purple and blue metal, with soft red post girdles ...	2	1	0			
Red and white post mixed ...	3	0	0			
Very soft grey metal	0	2	0			
Strong red and white post ...	4	4	0			
Blue metal ...	2	0	0			
White post, with scares of blue and grey metal ...	0	5	0			
Strong grey post, with a little water (wedging crib here) ...	2	3	0			
Grey metal, with scares of coal and post girdles ...	0	4	0			
Post girdle, with metal partings and water ...	1	5	0			
Strong post, with metal partings ...	2	2	10			
	0	5	2			
Carried forward	25	3	0	52	0	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	25	3	0	52	0	2
Strong post, with coal pipes and thin partings ...	3	2	0			
Light blue metal ...	1	4	0			
Black stone parting...	0	0	6			
Light blue metal ...	0	3	8			
Black stone and ironstone girdles ...	0	0	9			
COAL, splint ...	0	2	5			
				31	4	4
Black stone ...	0	0	4			
Light blue metal and ironstone ...	1	5	7			
Black stone ...	0	2	3			
Light blue metal and ironstone girdles ...	1	0	0			
Black metal stone ...	0	0	7			
Blue metal ...	2	4	8			
Black metal stone ...	0	2	10			
Three-Quarter Seam—						
COAL, good	Ft.	In.				
Band ...	1	8				
COAL ...	0	4				
Band ...	0	2				
COAL, good	0	2				
				0	4	0
						7 2 3
Dark thill stone, with ironstone girdles ...	1	2	1			
COAL—5/4 Seam ...	0	3	6			
				1	5	7
Thill stone ...	0	0	6			
Blue metal ...	3	5	6			
Post girdles, with metal partings and water ...	1	4	9			
White post, with water	1	2	0			
Grey metal, with strong post girdles..	2	0	0			
White post ...	0	2	3			
Strong grey post, with metal balls and partings ...	3	1	0			
White post, with whin and balls of metal...	3	2	0			
COAL—Main Coal	0	2	1			
				16	2	1
Dark thill stone ...	0	1	0			
Grey metal stone ...	0	1	0			
White post and partings ...	0	5	10			
Blue metal ...	0	4	0			
COAL ...	0	0	1			
Soft thill stone ...	0	4	0			
Carried forward	2	3	11	109	2	5

* Approximate sea level (Ordnance datum).

No. 1,082.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	11	109	2	5
Blue metal ...	1	1	0			
COAL ...	0	0	0½			
Strong blue metal ...	1	4	0			
Strong grey post						
girdle ...	1	1	0			
Blue metal ...	3	3	0			
Grey metal and post						
girdles ...	5	2	0			
Strong white post,	1	3	6			
with metal partings						
Blue metal ...	0	0	6			
Strong white post ...	2	0	0			
Post, much mixed with						
metal ...	1	1	0			
Strong post (trouble in						
pit) ...	5	0	0			
COAL—Low Main						
Seam ...	0	3	7			
				25	5	6½
Dark thill stone ...	0	4	0			
Grey metal ...	0	1	6			
Grey post ...	0	5	0			
Blue metal, mixed						
with post girdles ...	0	3	0			
Grey post, mixed with						
grey metal...	1	1	0			
Blue metal ...	0	5	0			
COAL, splint ...	0	0	10			
				4	2	4
Black stone ...	0	1	3			
Blue metal ...	0	4	0			
White post ...	0	1	3			
Blue metal ...	0	4	0			
COAL ...	0	0	4			
Black stone ...	0	1	0			
COAL ...	0	0	8			
				2	0	6
Strong grey thill stone	0	2	6			
Very strong white post	2	2	0			
Grey metal and post						
girdles ...	0	1	8			
Blue metal ...	0	4	0			
Grey metal, with post						
girdles ...	3	3	7½			
Strong white post,						
much whin at top...	5	1	0			
Hutton Seam—	Ft.	In.				
COAL, good	4	1				
COAL, coarse						
and brassy	0	2½				
COAL, not						
so coarse...	0	5½				
COAL, splint	0	4½				
COAL, bot-						
tom ...	0	3½				
				0	5	5
				13	2	2½
Carried forward				155	1	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				155	1	0
Black stone ...	0	0	8½			
Thill stone ...	0	4	0			
Blue metal ...	2	0	2			
Black stone ...	0	0	9			
COAL ...	0	0	6			
				3	0	1½
Thill stone ...	0	3	0			
Blue metal ...	1	2	0			
Grey post ...	0	3	8			
				2	2	8
				160	3	9½
Bored further, April,						
1840:—						
Black metal ...	0	1	4			
Grey metal and post						
girdles ...	0	1	0			
Grey post ...	0	0	11			
Very strong white post	0	0	5			
Blue metal ...	0	0	7			
Post ...	0	1	4			
Grey metal ...	0	2	4			
Grey metal and post						
girdles ...	0	2	10			
Blue metal ...	0	2	0			
White post ...	0	0	11			
Blue metal and coal						
pipes ...	0	5	11			
Dark blue metal ...	0	1	0½			
Black metal ...	0	0	6			
Post ...	0	0	3			
Soft black metal ...	0	1	7			
Grey metal and post						
girdles ...	0	0	5			
Grey metal ...	0	1	5			
Very strong post ...	0	1	5			
Black metal ...	0	1	7			
Grey post ...	0	0	3			
Black metal ...	0	3	10			
Soft blue metal ...	0	3	8			
Grey metal and post						
girdles ...	0	4	11			
Strong post ...	0	0	4			
Black metal ...	0	2	8			
Blue metal ...	0	0	11			
Grey metal ...	0	1	1			
Grey metal and post						
girdles ...	0	2	9			
Black metal ...	0	3	3			
Blue metal ...	0	3	6			
Grey metal ...	0	2	4			
Post ...	0	0	4			
Grey metal and post						
girdles ...	0	2	9			
Grey post ...	0	1	5			
Carried forward	10	1	9½	160	3	9½

No. 1,082.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	9½	160	3	9½	Brought forward	0	2	5	176	0	2
Grey metal and post							Strong post ...	1	2	1			
girdles ...	0	5	2				Grey metal, with post						
Blue metal ...	0	2	7				girdles ...	0	2	10			
Post ...	0	0	5				Blue metal ...	0	0	6			
Blue metal ...	0	3	5				Post ...	0	5	8			
Dark blue metal	1	1	5				Blue metal ...	1	2	0			
Strong white post	0	0	9				Grey metal ...	0	4	11			
Grey metal ...	1	0	11				Grey metal, with post						
Blue metal ...	0	0	9				girdles ...	0	5	5			
Grey metal ...	0	1	1				Post ...	0	0	7			
Black metal ...	0	0	7				Grey post ...	1	5	8			
COAL — Beaumont							Blue metal ...	0	2	7			
Seam ...	0	1	6				Post, very strong	0	0	3			
				15	2	4½					8	4	11
Grey metal ...	0	0	9										
Dark blue metal	0	1	8										
Carried forward	0	2	5	176	0	2	Total ...				184	5	1

No. 1,083.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 48", Long. 1° 25' 58".

No. 1 Hole, at Haswell Colliery. Account of Strata bored through in Sir G. Shee's Property.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	20	1	5			
Brown sandy clay ...	0	5	0				Mild brown lime-						
Soft limestone marl ...	1	2	0				stone ...	0	5	9			
Strong white lime-							Strong brown lime-						
stone ...	3	4	0				stone ...	0	0	10			
Strong white lime-							Dry sand ...	11	3	0			
stone ...	2	5	0				Sand, with water	12	2	8			
Mild brown lime-							Soft freestone or sand,						
stone (got water at							with grey metal						
19 fms. 1 ft. 6 ins.							partings ...	2	1	7			
from surface) ...	11	0	9				Left off in very hard						
Strong brown lime-							grey post ...	0	0	3			
stone ...	0	1	8								47	3	6
Carried forward	20	1	5				Total ...				*47	3	6

* Approximate sea level 214½ feet below this.

No. 1,084.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 25", Long. 1° 25' 9".

No. 2 Hole. Strata bored through in Braddyll's Property.

Approximate surface level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	33	2	0			
Brown sandy clay ...	0	1	2				Mild white limestone	0	5	0			
Blue clay ...	0	5	10				White limestone, with						
Sand and gravel, with							soft partings and						
water ...	0	1	2				water ...	8	5	0			
Strong blue clay ...	1	3	5				Soft brown limestone	1	1	0			
Soft limestone marl ...	0	5	0				Strong limestone, with						
Soft white limestone							water ...	2	1	0			
(water got) ...	8	3	11				Blue limestone, with						
Strong white limestone	5	2	11				water at bottom ...	3	4	0			
Soft limestone, with							Yellow clay ...	0	0	4			
open partings ...	1	0	0				Blue metal ...	0	1	2			
Mild yellow limestone	6	0	7				White and grey post...	1	4	4			
Strong brown lime-							Clean grey metal ...	0	0	10			
stone ...	0	2	8				Grey metal, mixed						
Mild white limestone							with post ...	0	5	3			
(a little water) ...	5	4	0				Red metal (colour						
Strong white lime-							varies from dark to						
stone, with soft							light) ...	11	5	1			
partings ...	2	0	4				Green metal ...	0	1	10			
											65	0	10
Carried forward	33	2	0				Total ...				*65	0	10

* Approximate sea level 69½ feet below this.

No. 1,085.—HASWELL.

TOWNSHIP OF EASINGTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

No. 3 Hole. Strata bored through in Braddyll's Property.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8				Brought forward	9	5	0			
Brown clay ...	0	1	8				Soft marl, with thin						
Blue clay ...	1	1	3				hard girdles ...	5	5	8			
Sand, with water ...	1	0	2				Mild limestone ...	7	5	4			
Strong blue clay ...	5	0	9				Strong limestone, with						
Soft yellow marl ...	2	0	6				gullets and water...	0	2	8			
Carried forward	9	5	0				Carried forward	24	0	8			

No. 1,085.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	24	0	8				Brought forward	58	0	0			
Mild limestone, with							Blue metal ...	0	3	9			
water ...	3	5	0				Sand (not through it)	18	0	0			
Strong limestone, with											76	3	9
thin girdle...	2	5	4										
Soft marl ...	27	1	0										
Carried forward	58	0	0				Total ...				76	3	9

No. 1,086.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of Strata bored at Hauxley in the Link Sand. February, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	1	0	0				Carried forward				11	5	2
Stony clay ...	2	5	6				Grey metal ...	0	2	0			
Grey metal ...	0	1	6				Dark metal ...	0	1	6			
COAL, foul ...	0	0	6				COAL, foul ...	0	0	6			
Grey metal ...	0	2	3								0	4	0
COAL, foul ...	0	0	9				Grey metal ...	4	2	7			
Grey metal ...	0	2	6				Black metal, with						
Scamy grey post	0	3	0				scars of coal ...	0	0	5			
Grey metal stone	2	3	0				COAL, with a small						
Scamy grey post	0	3	0				band 33 inches from						
Grey post, with water	2	2	6				the top ...	0	5	5			
Grey metal ...	0	2	3								5	2	5
COAL ...	0	2	5										
				11	5	2							
Carried forward				11	5	2	Total ...				17	5	7

No. 1,087.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of the Boring in the 3rd Place near Hauxley, on the Links, near Amble Lane End. March 21st, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk and boxes put in	3	4	8				Brought forward	4	4	8			
Grey metal stone, with							COAL ...	0	1	4			
post girdles and water	1	0	0								5	0	0
Carried forward	4	4	8				Carried forward				5	0	0

No. 1,087—HAUXLEY.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						5	0	0	Brought forward						42	5	0
Grey metal stone	...	...	4	4	5				Grey metal	...	...	0	3	0			
COAL	..	...	0	0	7				strong grey metal								
						4	5	0	stone	...	...	1	1	0			
Grey metal	...	...	3	5	6				White post, with								
COAL	...	...	0	0	6				water	...	...	8	0	9			
Dark metal and scares									Grey metal	...	...	0	0	5			
of coal and brass									COAL	...	...	0	0	2			
lumps	...	...	0	0	10				Grey metal	...	...	0	2	7			
						4	0	10	Grey post, with metal								
Dark grey metal	...	...	0	5	4				partings	...	...	2	0	7			
COAL	...	Ft. In.							Grey metal stone	...	...	0	3	6			
Grey metal	...	0 10							COAL	...	...	0	0	8			
COAL , brassy	0 9														13	0	8
			0	1	10				Grey metal	...	...	1	2	7			
						1	1	2	COAL	...	...	0	0	4			
Grey post	...	...	0	0	6				Grey metal	...	...	0	0	5			
Grey metal	...	...	0	3	0				Grey post, with metal								
White and grey post	7 1 6								partings	...	...	2	3	0			
COAL , with water...	0 0 6								Whin	...	...	0	1	6			
			7	5	6				Grey and white post	...	...	0	4	1			
Grey metal and metal									COAL	...	...	0	2	5			
stone	...	...	1	2	0										5	2	4
COAL	...	...	0	0	6				Grey metal and metal								
Soft grey metal	...	...	2	3	0				stone	...	...	0	3	0			
White grey post	...	...	3	1	10				White post, with sandy								
Coal pipy post	...	...	0	0	2				partings	...	...	12	4	0			
COAL	...	...	0	1	4				Black metal	...	...	0	0	6			
Blue metal, mixed									Grey metal stone	...	...	0	2	0			
with coal	...	...	0	0	1				COAL	...	...	0	0	6			
			7	2	11										13	4	0
Grey metal	...	...	0	0	9				Grey metal stone, with								
White grey post, with									post girdles	...	...	2	4	6			
water	...	...	8	3	4				Strong white post	...	...	0	3	0			
Dark grey metal and									Grey metal stone and								
scares of coal	...	...	0	1	6				metal, with post								
COAL	...	...	0	0	4				girdles	...	...	1	1	6			
			8	5	11												
White grey metal	...	...	2	0	10				COAL	...	Ft. In.						
COAL , foul	...	...	0	0	6				...	...	1 2						
Grey metal, scared									Blue metal	...	...	1 2					
with coal	...	...	0	0	4				COAL	...	...	0 2					
Grey metal	...	...	0	5	6				Grey metal	...	...	0 3					
COAL	...	...	0	0	6				COAL , scared								
			3	1	8				with white								
									stone	...	...	0 3					
Carried forward			42	5	0										5	0	0
									Grey metal stone	...	...	0	2	2			
									In whin	...	...	0	0	2			
															0	2	4
									Total	...	...				80	2	4

18th. October, 1793.—Rods measured by Mr. Barney, brought to
80 fms. 2 ft. 8 in.

No. 1,088.—HEATON.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 2", Long. 1° 34' 35".

*Account of Strata sunk through at Heaton New Pit, in Mr. Brown's Estate,
at Long Benton*

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	3	0	0				Brought forward				47	2	0
Clay ...	3	2	0				Soft black stone ...	0	1	0			
Brown post ...	4	3	0				Blue stone ...	3	0	0			
Grey metal stone ...	1	4	7				COAL ...	0	1	10			
COAL ...	0	0	6								3	2	10
				12	4	1	Blue stone ...	0	5	3			
Short grey metal stone	1	0	8				Blue stone, with post						
Grey post ...	2	1	4				girdles ...	1	0	6			
White post ...	2	1	3				Soft blue stone ...	0	1	0			
Grey metal stone ...	4	3	10				Whin ...	0	2	0			
COAL ...	0	1	0				Grey post ...	1	1	8			
				10	2	1	Blue stone ...	2	1	4			
Grey post ...	0	4	0				Black stone ...	0	4	6			
Grey metal stone,							COAL ...	0	1	0			
mixed with post and											6	5	3
whin ...	2	5	1				Blue stone ...	1	1	0			
Whin ...	0	0	7				Grey post ...	3	0	0			
Grey metal stone,							Black stone ...	0	1	0			
mixed with post ...	3	3	3				COAL ...	0	0	2			
Whin ...	0	5	0								4	2	2
Hard metal stone ...	1	1	3				Blue stone ...	1	2	0			
Whin ...	1	0	8			*	Grey post girdles ...	0	1	2			
	0	0	6				Blue stone, with whin	1	2	6			
Hard grey metal stone	2	0	0				COAL ...	0	0	4			
Black metal stone ...	0	1	8								3	0	0
Grey metal stone ...	3	1	0				Post—70-Fathom Post	2	0	0			
Hard grey post ...	0	2	0				Blue stone ...	0	4	0			
COAL ...	0	0	8				Black stone ...	2	3	1			
				16	1	8	COAL ...	0	1	6			
Hard grey metal stone,											5	2	7
mixed with post ...	0	5	2				Thill stone ...	0	1	10			
COAL ...	0	1	2				Post—Main Post ...	6	3	10			
				1	0	4	COAL , clean and						
Grey metal stone ...	0	2	8				good—Main Coal						
Soft post ...	0	2	0				Seam ...	0	5	10			
Grey metal stone ...	1	3	2								7	5	6
White post ...	4	3	6				Thill ...	0	1	4			
COAL ...	0	0	6				Blue stone ...	1	2	8			
				6	5	10					1	4	0
Carried forward							Total ...				80	0	4
				47	2	0							

* Approximate sea level (Ordnance date).

No. 1,089.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 24", Long. 1° 35' 12".

Account of Boring in the Fortune Pit, at Heaton Colliery. 1736.

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.				
Scaffold ...				15	4	0		Brought forward	6	0	0	32	0	11			
Open brown and grey scamy post, with red and brown partings and much water ...	1	3	0					Blue and black metal, with catheads ...	0	5	0						
Grey and brown metal stone ...	0	2	0					Whin ...	0	1	0						
Grey post girdles, with metal partings ...	1	0	0					White post girdles, with metal partings	0	2	0						
Strong grey post gir- dles or lumps ...	0	1	0					Blue and black metal, with catheads ...	1	2	0						
Blue metal, with cat- heads ...	1	0	0					Three-Quarter Seam— Black metal, mixed with									
Open post girdle and water ...	0	0	6					coal ...	0	6							
Blue and grey metal, with girdles and catheads ...	0	1	6					Whin girdle or lump ...	0	3							
Soft black metal ...	0	2	0					COAL, foul	1	0							
Black metal, mixed with coal ...	0	1	0								0	1	9				
				6	3	6							8	5	9		
Grey metal ...	0	3	0					Grey metal ...	0	2	0						
Grey metal stone, with girdles, catheads, and water ...	2	1	0					Post, mixed with whin	0	1	0						
Grey post, with strong open girdles and metal partings, with water ...	2	0	0					Blue metal, with post girdles and lumps...	1	0	0						
Whin ...	0	0	9					White post girdles, with water ...	0	4	0						
Grey metal ...	0	3	0					Whin ...	0	0	10						
Black and grey metal, with catheads and some girdles ...	4	0	0					Grey post ...	0	2	6						
Black metal, scared with coal ...	0	2	6					White post ...	2	1	6						
COAL, foul ...	0	1	2					Strong white post ...	0	1	6						
				9	5	5		Grey post, with water at bottom ...	0	1	6						
Grey sandy metal ...	1	3	0					Blue metal, with cat- heads ...	1	3	0						
Grey metal stone ...	1	1	0					Black slaty metal, with girdles or catheads	0	3	0						
Grey post ...	0	2	0					COAL ...	0	0	10				7	3	8
Grey and blue metal	2	0	0								0	2	0				
Strong white post girdles, with grey scamy post and water ...	1	0	0					Soft grey metal ...	0	2	0						
								Grey and blue metal, with girdles or lumps ...	2	1	0						
								COAL ...	0	0	6				2	3	6
								Grey metal ...	0	1	0						
								Black metal, scared with coal ...	0	0	3						
								Grey and blue metal, with post girdles and water ...	2	3	0						
Carried forward	6	0	0	32	0	11		Carried forward	2	4	3	51	1	10			

* Approximate sea level (Ordnance datum).

No. 1,089.—HEATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	3	51	1	10	Brought forward				60	5	5
Blue metal, with cat-heads ...	0	3	0				Grey metal ...	0	1	0			
COAL and black slaty metal ...	0	0	4				Grey metal stone ...	0	4	6			
				3	1	7	Strong white post ...	2	2	0			
Grey and blue metal	1	2	0				White post, with a mixture of whin girdles ...	2	2	0			
A white whin girdle or lump ...	0	0	4				Grey coal pipe post...	0	0	8			
Grey scamy post, with water ...	0	1	0				Whin ...	0	3	0			
Grey metal ...	0	3	0				White post ...	0	4	0			
A mixture whin girdle or lump ...	0	0	4				A mixture of whin ...	0	2	6			
Grey metal, with girdles ...	1	0	0				Coal pipe post ...	0	0	6			
Black metal, with girdles ...	1	0	0				White post, with a mixture of whin girdles or lumps ...	2	5	0			
Black metal, with girdles ...	2	0	6				Grey coal pipe post...	0	1	6			
COAL, foul ...	0	0	10				Grey metal ...	0	0	8			
				6	2	0	Black metal ...	0	0	3			
							COAL—Upper Main	0	5	10			
											11	3	5
							Grey metal ...	0	0	3			
							COAL (into) ...	0	0	2			
											0	0	5
Carried forward				60	5	5	Total ...				72	3	3

No. 1,090.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. , Long.

Account of Boring at Heaton Colliery, in trial for the Stone Head for the Second Pit. May, 1795.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to box ...	1	0	0				Brought forward	14	4	0			
Strong clay ...	2	1	0				Leafy clay, mixed with sand ...	0	1	6			
Sand, mixed with soft clay, and water ...	0	5	0				Strong stony clay ...	4	2	0			
Sand, with scares of clay, and water ...	0	3	0				Sand ...	0	0	10			
Sand, with water ...	1	3	0				Clay, with a mixture of sand ...	0	0	9			
Leafy clay ...	0	2	0				Strong stony clay, mixed with gravel	1	0	3			
Strong stony clay ...	7	5	0								20	3	4
Leafy clay, mixed with sand ...	0	1	0				In blue grey metal ...				0	4	8
Sand ...	0	2	0										
Carried forward	14	4	0				Total ...				21	2	0

No. 1,091.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. , Long.

Account of Boring in the second place at Heaton, about 200 yards of the first. June, 1795.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil	0	1	0			
Sand, with water	3	2	0			
Leafy clay, mixed with sand	0	4	6			
In sand. mixed with clay	0	1	6			
				4	3	0
Total				4	3	0

No. 1,092.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 54° 59' 45", Long. 1° 34' 58".

Account of Boring in the E Pit, Heaton. January, 1801.

Approximate surface level 209 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				23	5	0
Boxes ...	11	0	0			
	3	4	6			*
Strong white post, with hard girdles and water ...	8	2	9			
Grey metal ...	0	0	3			
Black metal, mixed with coal, and coal	0	1	6			
				23	3	0
Grey metal stone ...	2	1	0			
Grey and white scamy post ...	2	2	9			
Grey metal stone, with hard girdles ...	1	5	0			
Black grey metal, with hard lumps ...	0	2	9			
Carried forward	6	5	6	47	2	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	5	6	47	2	0
COAL ...	0	1	0			
				7	0	6
Soft black metal ...	0	0	9			
Dark grey metal ...	0	4	6			
Grey metal stone ...	0	1	6			
Whitish grey post, with water ...	1	3	0			
Whin, mixed with white post... ..	1	0	0			
Whin ...	0	2	6			
Strong grey metal stone ...	2	3	0			
Blue metal ...	0	1	6			
COAL ...	0	0	6			
				6	5	3
Carried forward				61	1	9

* Approximate sea level (Ordnance datum).

No. 1,092.—HEATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				61	1	9	Brought forward	0	2	0	66	0	1
Grey metal stone ...	1	0	6				Strong white post, with a mixture of whin in several places and whin girdles ...	8	2	0			
Whin mixture, with water ...	0	2	0				White post, with strong girdles ...	0	4	6			
Black slaty metal stone and black grey metal ...	3	1	0				Grey scaling post ...	1	4	1			
COAL ...	0	0	10	4	4	4	COAL (into) — sup- posed to be <i>High</i> <i>Main Seam</i> ...	1	0	0			
Grey post ...	0	2	0								12	0	7
Carried forward	0	2	0	66	0	1	Total ...				78	0	8

No. 1,093.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 20", Long. 1° 34' 17".

Bored in trial for the Low Main Coal Seam, in the C Pit, Heaton Colliery. 1805.

Approximate surface level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the thill of { the <i>High Main</i> { Coal ...				26	4	0	Brought forward	8	4	2	84	5	4
	*			53	2	0	Strong whin mixture	0	3	3			
Box ...	0	1	2				Strong white post ...	1	3	3			
Black metal and <i>foul</i> coal ...	0	4	0				Grey metal stone ...	1	5	6			
Grey metal, with gir- dles or catheads ...	2	3	4				COAL ...	0	1	4	12	5	6
Black grey metal, with girdles or catheads	0	4	8				Grey metal stone ...	0	2	0			
COAL ...	0	0	4				White post and whin girdles ...	0	3	0			
Grey metal ...	0	1	8				Grey metal stone and post girdles ...	2	5	2			
COAL, hard, with sulphur ...	0	2	2	4	5	4	Strong white post and metal partings ...	1	4	0			
Grey metal stone ...	0	1	6				COAL, with sulphur	0	0	11	5	3	1
White post ...	1	0	0				Grey metal ...	0	2	0			
Grey metal stone, with girdles ...	1	2	2				Grey post ...	1	0	0			
Black grey metal stone	1	1	0				Strong white post, mixed with whin ...	2	0	0			
Grey metal stone ...	2	2	0				Grey metal stone, with mixture whin girdles ...	4	4	9			
Whin ...	0	0	8				COAL, with sulphur	0	2	10	8	3	7
Grey metal stone, with whin girdles ...	1	3	4				Dark grey metal ...	0	0	6			
White post ..	0	3	0				Carried forward	0	0	6	111	5	6
Grey metal stone and girdly post ...	0	2	6										
Carried forward	8	4	2	84	5	4							

* Approximate sea level (Ordnance datum).

No. 1,093.—HEATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	6	11	5	6	Brought forward	2	1	1	13	0	9
Strong white post ...	5	0	6				Black slaty metal, with small beds of <i>coal</i> and sulphur ...	0	1	5			
Whin ...	0	1	4								2	2	6
Strong white post, with a mixture of whin in several places ...	4	4	0				Whitish grey metal...	1	0	0			
White and grey post	1	5	6				Dark grey metal stone, with hard girdles ...	4	3	0			
Grey metal ...	1	0	0				Whitish grey metal ...	3	1	3			
Soft grey metal, with sulphur ...	0	0	6				Black grey metal ...	0	0	6			
COAL ...	0	0	10				Grey metal stone ...	0	2	0			
				13	1	2	Grey post ...	0	1	0			
Grey metal. with post girdles ...	1	2	4				Grey metal stone ...	0	3	0			
White post, with metal partings ...	1	4	0				Grey metal ...	0	1	8			
Whin ...	0	0	8				COAL , coarse ...	0	0	4			
White post ...	0	0	9								10	0	9
Whin ...	0	1	5				Grey metal, with some small scares of <i>coal</i>	0	0	4			
White post ...	0	2	6				Grey metal stone ...	2	0	0			
Strong grey metal stone, with strong girdles ...	0	5	2				Strong grey white post ...	0	1	2			
COAL ...	0	0	6				Grey metal stone ...	1	2	0			
Soft grey metal, with scares of <i>coal</i> and sulphur ...	0	1	9				Whin ...	0	0	9			
COAL , with sulphur	0	1	0				Strong grey metal stone ...	0	2	0			
				5	2	1	Whin mixture ...	0	2	0			
Grey metal and metal stone, with whin girdles ...	2	0	6				Strong white post ...	0	4	6			
COAL , foul, with sulphur ...	0	0	7				Grey metal stone ...	0	2	0			
							Strong white post, with a mixture of whin ...	1	3	0			
Carried forward	2	1	1	13	2	9	Grey metal ...	0	1	0			
							Whin mixture ...	0	4	6			
							In strong white post	0	0	11			
											8	0	2
							Total ...				151	0	2

NOTE.—The total expense of boring and attendance, sharpening gear, value of ropes used in boring, wood, iron, and workmanship for a brake underground (in the time of boring the above) was £349 2s. 1d.

No. 1,094.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 38' 46", Long. 1° 30' 9".

Strata sunk through in the B Pit, Hebburn Colliery.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	9	5	0		Brought forward	11	0	0			
Grey metal stone	...	1	1	0			Post, with metal part-	}	2	2	0		
							ings		...	...	6	2	0
Carried forward	11	0	0				Carried forward	19	4	0			

* Approximate sea level (Ordnance datum).

No. 1,094.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	4	0			
Blue metal ...	0	2	0			
COAL ...	0	3	0	20	3	0
Blue metal ...	1	2	0			
Grey metal stone ...	2	3	0			
Post, with metal partings ...	1	4	0			
Blue metal stone ...	0	5	6			
Grey metal, with post girdles ...	2	4	6			
Blue metal stone ...	1	5	0			
Grey metal, with post girdles ...	5	2	0			
Hard white post ...	1	4	0			
Grey metal, with post girdles ...	4	4	0			
Grey metal, with open partings ...	0	3	0			
Blue metal ...	6	5	6			
Blue and black metal	1	1	6			
COAL ...	0	0	2	31	2	2
Black metal ...	0	0	6			
White thill ...	0	4	10			
White post ...	0	2	5			
Blue metal ...	0	0	1			
Grey post ...	0	0	6			
Grey metal, with post	0	1	0			
Strong white post ...	2	3	6			
Strong white post, with grey metal partings ...	0	4	6			
Strong white post ...	8	0	0			
COAL ...	0	0	2	12	5	6
Grey thill ...	0	3	10			
Grey thill, with metal	1	5	0			
Grey metal ...	0	1	0			
Post, with metal partings ...	0	3	0			
Strong white post, with whin ...	0	3	0			
Grey and blue metal	0	4	0			
Black stone ...	0	3	0			
COAL ...	0	0	4	4	5	2
Black stone ...	0	1	4			
COAL ...	0	1	0	0	2	4
Strong grey thill ...	0	2	6			
Strong grey post ...	0	0	10			
White post girdles, with metal partings	1	3	0			
White post ...	0	3	0			
Carried forward	2	3	4	70	0	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	4	70	0	2
White post girdles, with metal partings	0	1	0			
Whin ...	0	3	0			
White post, with metal partings ...	0	5	6			
Grey metal ...	0	1	0			
Grey metal and white post ...	4	0	3			
Bluish grey metal ...	4	5	9			
COAL ...	0	0	5	13	2	3
Bluish grey metal ...	2	5	6			
COAL ...	0	0	2	2	5	8
Grey thill ...	0	2	4			
Bluish grey metal ...	3	1	2			
70-Fathoms Coal—						
COAL ...	Ft.	In.				
Grey thill ...	4	6				
COAL ...	0	2				
	0	5	10			
Grey metal and post girdles ...	2	0	0	4	3	4
Blackish grey metal...	2	5	6			
Post ...	1	1	2			
COAL ...	0	0	4	6	1	0
Grey thill ...	1	0	0			
Bluish grey metal, with post girdles ...	3	0	6			
Strong white post ...	4	4	6			
Brown post, with blue metal partings ...	1	1	10			
Strong white post ...	4	2	2			
Blue metal ...	1	0	0			
Post ...	0	1	6			
Black stone ...	0	5	0			
White post ...	0	2	6			
Bluish grey metal ...	1	5	0			
Black stone ...	2	0	0			
COAL ...	0	0	6	20	5	6
Grey thill ...	0	4	0			
Blue and grey metal	0	5	0			
Post ...	10	2	0			
COAL—Main Seam	1	0	0	12	5	0
White thill ...	0	1	8			
COAL, slaty ...	0	2	4			
Blue metal ...	0	1	0	0	5	0
Total ...				131	3	11

No. 1,095.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 38' 47", Long. 1° 31' 16".

Strata sunk through to the High Main Seam, in the C Pit, Hebburn Colliery.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	13	2	0				*	Brought forward	2	0	8	48	5	0
	1	2	0					Whin ...	0	1	5			
Brown metal ...	0	3	6					White post ...	0	2	4			
Brown post, with water ...	8	2	0					Grey metal, with post girdles ...	3	0	2			
Blue metal, with water ...	9	2	0					Blue stone, with whin girdles ...	1	0	2			
Black stone ...	0	3	6					Black stone ...	0	1	8			
COAL ...	0	0	10	33	3	10		Thill ...	0	2	5			
Thill ...	0	3	0					Grey post ...	1	1	10			
Grey metal, with post girdles ...	1	4	4					Whin ...	0	1	6			
Grey post, with water ...	1	0	0					Grey post, with fresh water ...	3	4	6			
Blue stone ...	0	3	0					Whin ...	0	3	11			
White post ...	0	2	0					Grey post ...	0	3	6			
Blue stone ...	0	0	11					Whin ...	0	1	2			
Grey post, with whin ...	0	4	8					Grey post ...	0	5	2			
Blue stone ...	0	0	4					Blue stone ...	0	3	3			
White post, with water ...	1	4	0					Scamy post ...	0	3	4			
Blue stone ...	0	0	3					COAL ...	0	0	6			
Grey stone, with water ...	0	5	0									16	1	6
Blue stone ...	0	0	2					Black thill ...	0	1	2			
Grey post, with water ...	0	0	6					Grey thill ...	1	1	2			
Blue stone ...	0	0	2					Black band, mixed with coal ...	0	0	5			
Grey post, with water ...	1	4	11					Black thill ...	0	1	7			
Scamy post ...	0	0	7					Whin girdles ...	0	0	11			
Grey post, with water ...	0	1	0					Blue stone, with whin girdles ...	1	2	8			
COAL ...	0	0	3	9	5	1		COAL ...	0	0	4			
Thill ...	0	2	0									3	2	3
Black stone ...	0	0	2					Black thill ...	0	1	1			
COAL ...	0	0	2	0	2	4		Scamy post ...	1	1	4			
Thill ...	0	3	3					Blue stone, with whin girdles ...	1	2	7			
Blue stone, with water ...	1	5	6					COAL ...	0	0	8			
Grey post, with water ...	1	0	11									2	5	8
Blue stone ...	0	5	0					Black thill ...	0	0	1			
COAL ...	0	0	4	4	3	0		Grey thill ...	0	2	6			
Thill ...	0	2	2					Whin ...	0	2	7			
COAL ...	0	0	7	0	2	9		Scamy post ...	0	0	4			
Whin ...	0	0	10					White post ...	0	2	6			
Thill ...	0	1	4					Grey metal stone ...	0	1	0			
Grey post, with water ...	1	2	6					Whin girdles ...	0	0	7			
Scamy post ...	0	2	0					Grey metal and whin girdles ...	1	0	7			
Carried forward	2	0	8	48	5	0		Carried forward	2	4	2	71	2	5

* Approximate sea level (Ordnance datum).

No. 1,095.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	2	71	2	5	Brought forward	6	1	9	78	2	4
Black stone ...	0	0	3				White post ...	0	2	0			
COAL ...	0	0	8								6	3	9
				2	5	1	Whin ...	0	4	0			
Thill ...	0	3	0				Dry white post, with						
White post, with whin	0	4	0				partings ...	7	3	0			
Blue stone, with whin							COAL ...	0	0	3			
girdles ...	0	4	7				Black stone ...	0	0	1			
Black stone, mixed							COAL ...	0	0	2			
with a little coal at											8	1	6
bottom ...	0	2	4				Thill ...	0	1	1			
Thill ...	0	2	2				Grey metal, with post						
Grey post ...	0	1	10				girdles ...	2	1	1			
Blue stone, with whin							Black stone ...	0	2	4			
girdles ...	0	1	2				Grey metal, with post						
Grey post, mixed with							girdles ...	1	3	3			
whin ...	0	2	0				Black stone, with whin						
Blue stone, with whin							girdles ...	2	2	0			
girdles ...	0	3	6				COAL ...	0	0	3			
COAL ...	0	0	3								6	4	0
				4	0	10	Strong grey thill ...	1	0	5			
Strong grey thill ...	0	3	8				Grey post ...	0	2	0			
Grey post ...	0	1	10				Post—Main Post ...	9	0	0			
Scamy post ...	0	0	7				Blue stone ...	0	4	0			
Grey post ...	0	1	6				White post ...	0	2	0			
Blue stone, with a							Blue stone ...	1	0	0			
little coal at bottom	0	3	2				COAL—High Main						
Grey thill, with whin	1	1	0				Seam ...	1	0	2			
Grey metal stone,											13	2	7
with whin and post													
girdles ...	3	2	0										
Carried forward	6	1	9	78	2	4	Total ...				113	2	2

No. 1,096.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Bored from the Thill of the High Main Seam, in the C Pit, Hebburn Colliery.
Commenced, May 8th, 1821; finished, September 29th, 1821.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to							Brought forward	6	2	4	113	2	2
thill of High Main							COAL and sulphur—						
Seam ...				113	2	2	Metal Coal ...	0	2	6			
COAL, loose, small,											6	4	10
and foul ...	0	4	6				Grey metal ...	0	1	6			
Grey metal and metal							Grey and blue metal						
stone, with iron-							stone, with post						
stone girdles ...	5	3	10				girdles ...	3	4	4			
Carried forward	6	2	4	113	2	2	Carried forward	3	5	10	120	1	0

No. 1,096.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	10	120	1	0		Brought forward			149	4	6
Black metal ...	0	1	2					Dark metal ...	0	0	6		
Blue metal ...	0	1	0					Grey metal stone, with					
White post ...	0	1	10					hard girdles ...	1	2	0		
Blue metal, inclining								COAL , foul, mixed					
to post, with thin								with slaty metal ...	0	1	5		
ironstone girdles and											1	3	11
some beds of post...	2	5	1					Dark slaty metal ...	1	0	0		
COAL — <i>Stone Coal</i>	0	0	7					Blue metal stone, with					
				7	3	6		post girdles ...	0	5	3		
Blue metal stone and								Strong white post,					
thin girdles ...	0	3	9					mixed with whin ...	0	1	0		
Strong white post ...	0	1	0					Blue metal stone, with					
Blue metal stone ...	1	0	3					post girdles ...	0	5	10		
White post ...	0	4	6					Strong white post ...	2	1	8		
Blue metal stone, with								Grey metal stone, with					
post girdles ...	5	0	2					hard girdles ...	0	3	0		
COAL — <i>Yard Seam</i>	0	1	5					<i>Six-Quarter Seam</i> —					
				7	5	1		COAL , coarse, with					
Black slaty metal ...	0	0	4					slaty scare bands...	0	1	9		
Blue metal ...	0	1	6								6	0	6
COAL , foul ...	0	1	0					Blue metal and metal					
				0	2	10		stone, with some					
Blue metal stone, with								beds of post ...	3	2	0		
girdles ...	1	1	10					Black slaty stone,					
COAL ...	0	1	1					mixed with <i>foul coal</i>					
				1	2	11		and sulphur— <i>Five-</i>					
Grey and blue metal	0	2	1					<i>Quarter Seam</i> ...	0	2	6		
COAL ...	0	1	3								3	4	6
				0	3	4		Blue metal ...	0	1	6		
Grey and blue metal								Blue metal stone, with					
stone ...	0	4	2					thin girdles ...	2	2	6		
White post ...	0	0	10					Strong white post ...	4	1	8		
Blue metal stone ...	0	5	7					Grey metal stone ...	0	3	4		
White post ...	0	2	4					Strong white post ...	0	2	10		
Blue metal stone and								Blue metal ...	1	4	10		
hard thin girdles ...	8	3	0					<i>Low Main Seam</i> —					
Softish grey metal ...	0	0	6					COAL , with Ft. In.					
<i>Bensham Seam</i> —								sulphur ...	2	6			
COAL , coarse,								COAL , slaty	0	3			
with sulphur,								COAL , coarse	0	10			
pretty strong								COAL , slaty	0	8			
and burns								COAL , coarse,					
to brownish								with sulphur	1	2			
white ash ...	2	8									0	5	5
COAL , foul													
and softish,											10	4	1
with a mix-								Black metal, with					
ture of black								sulphur ...	0	0	11		
metal ...	0	7						Grey thill ...	0	1	9		
COAL , coarse,								White metal stone ...	0	2	9		
with sulphur,								White post ...	0	1	8		
not so strong								Blue metal stone ...	0	1	8		
as the first in								White post ...	0	1	8		
this seam, but								Blue metal stone ...	0	1	0		
nearly of the								White post ...	0	2	2		
same quality	2	2						Blue metal stone ...	0	1	8		
								White post ...	0	2	2		
											2	5	5
								Total ...			174	4	11
Carried forward				149	4	6							

No. 1,097.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

The second Hole bored in a Coal-pit, about the middle of Heddon on-the-Wall Banks, where sunk 9½ fathoms. January 22nd, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...				9	3	0	Brought forward	2	2	0	17	3	3
Gravelly stone and small coal ...	1	4	6				Blue metal, with grey post girdles ...	2	3	0			
Grey metal stone, with post girdles ...	1	0	6				Grey metal ...	0	1	8			
COAL ...	0	1	2					Ft. In.					
				3	0	2	COAL, good..	2	1				
Grey and brown metal	0	1	0				Grey metal ...	0	4				
Brown and grey post	1	0	0				COAL, good..	0	8				
Open brown post, with water ...	2	0	0						0	3	1		
Brown and grey post	1	3	0								5	3	9
							Grey metal ...	0	1	0			
COAL, open..	1	4					White post ...	0	3	0			
Slate or band...	0	1					White and grey metal, with catheads ...	1	3	0			
COAL, open..	0	8						Ft. In.					
							COAL, good..	0	6				
	0	2	1				Soft grey metal	0	7				
				5	0	1	COAL, good..	3	2				
Grey metal ...	1	1	0						0	4	3		
White post, and set away the water ...	1	0	0								2	5	3
Grey metal, scared with coal ...	0	1	0				Soft grey metal	0	1	0			
							In grey metal	0	0	6			
											0	1	6
Carried forward	2	2	0	17	3	3	Total ...				26	1	9

No. 1,098.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

The third Hole bored on the Bank Head, near Heddon-on-the Wall. March 5th, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown gravelly clay ...	0	3	0				Brought forward	1	3	0			
Broken brown post ...	1	0	0				Brown post ...	1	0	0			
							Brown grey metal ...	0	2	0			
Carried forward	1	3	0				Carried forward	2	5				

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	0					Brought forward			9	1	3
COAL and black slate ...	Ft.	In.						Grey metal ...	1	0	0		
... 0 10								Grey metal,with brown and grey post girdles	0	4	9		
COAL, very open and								Grey metal stone, with metal partings ...	0	4	6		
small ... 1 6								Grey metal, scared with coal ...	0	0	9		
COAL, open and small, with water...	2	0						Grey metal, with grey post girdles ...	2	3	0		
— 0 4 4								Grey and black metal	1	1	6		
				3	3	4		COAL, good ...	0	2	1		
Grey metal ... 1 3 6								— 6 4 7					
COAL, open ... 0 1 3								Grey metal ... 0 3 0					
— 1 4 9								COAL, good ... 0 0 8					
Grey and brown metal 0 1 4								— 0 3 8					
Grey and brown post, with water ... 3 2 0								Grey metal, with grey post girdles ... 3 0 0					
COAL, open Ft. In. 1 2													
Black metal ... 0 2								COAL ... 0 5					
COAL, open 0 6								Soft grey metal 0 7					
— 0 1 10								COAL, good... 3 2					
				3	5	2		— 0 4 2					
								— 3 4 2					
Carried forward				9	1	3		Soft grey metal ... 0 0 5					
								In grey post ... 0 0 2					
								— 0 0 7					
								— 20 2 3					
								Total					

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of the Boring at Heddon-on-the-Wall Ground to the West from the Reigh,
near Close House Gardens. October 30th, 1740.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
First of soil ...	0	1	6				Brought forward				4	2	10
Brown sandy clay ...	0	4	0				Grey metal, with post						
Blue stony clay ...	1	0	0				girdles and water	4	3	0			
Brown sandy clay,							Soft grey metal ...	1	3	0			
with water ...	2	0	0				Grey metallly stone ...	2	1	0			
Black stony clay ...	0	3	0				Open grey post, with						
COAL , soft ...	0	0	4				water (water rose						
				4	2	10	to top) ...	0	1	2			
Carried forward				4	2	10	Carried forward	8	2	2	4	2	10

No. 1,099.—HEDDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Carried forward	8	2	2	4	2	10	Brought forward	8	3	2	16	2	4
Blue and black metal,							Grey metal, with gir-						
with catheads ...	0	4	6				dles or lumps ...	0	3	0			
COAL ...	0	0	4				COAL ...	0	1	0			
				9	1	0					9	1	2
White grey metal ...	2	3	0				Grey metal ...	0	4	6			
COAL ...	0	1	6				COAL ...	0	0	6			
				2	4	6					0	5	0
Grey metal ...	0	4	6				Grey post ...	0	1	6			
Grey metal, with post							Grey post, with scamy						
girdles ...	0	3	0				partings ...	2	1	8			
White post, with scamy							Open parting, with						
partings and much							water, which rose						
water ...	2	3	0				to top ...	0	0	4			
Black metal ...	0	2	0				Strong white post,						
White post ...	0	3	0				mixed with whin ...	0	4	6			
Black stone ...	0	4	8				Blue metal parting ...	0	0	4			
White grey metal ...	1	4	0				In white post ...	0	1	0			
White post, with whin											3	3	4
girdles and scamy													
partings ...	1	3	0										
Carried forward	8	3	2	16	2	4	Total ...				29	5	10

No. 1,100.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

An Account of Boring on the North side of Heddon, in the North Field Bog, near the Stone Wall that parts Lord Carlisle's Estate from that of Mrs. Hindmarch. October 3rd, 1757.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
G. Humble & Co. bored							Brought forward	1	4	0	15	3	0
15 fms. 3 ft. and got							Black metal, scared						
what is called the							with foul coal ...	0	0	6			
North Field Coal							Black metal ...	0	1	0			
(3 ft. 5 in.), and then							COAL ...	0	3	0			
J. Rawling began at											2	2	6
the thill of the coal							Soft grey metal ...	0	1	6			
and bored from ...				15	3	0	COAL ...	0	0	6			
Blue metal ...	0	1	0								0	2	0
Grey metal, with post							In grey metal ...				0	1	6
girdles ...	1	3	0										
Carried forward	1	4	0	15	3	0	Total ...				18	3	0

No. 1,101.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. $54^{\circ} 59' 18''$, Long. $1^{\circ} 46' 41''$.*Bored in Heddon Colliery about 600 yards to the West from Throckley Engine.
November 22nd, 1762.*

Approximate surface level 25 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	...	...	...	...	...	1	1	6			
Soft brown ramby stone	...	...	...	...	...	1	1	6			
COAL	...	...	...	...	...	0	1	9			
									2	4	9
Blue metal stone, with girdles	...	...	...	...	...	{ 1	2	3			
						{ 0	2	6			*
In strong grey post	...	...	...	...	...	0	2	6			
									2	1	3
Total	...	...	...	...	...				5	0	0

* Approximate sea level (Ordnance datum).

No. 1,102.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. $54^{\circ} 59' 18''$, Long. $1^{\circ} 46' 29''$.*Second place, bored about 300 yards East from the first place.*

Approximate surface level 25 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	...	...	...	...	...	1	5	0			
Sand and gravel, with water	...	...	...	...	...	0	2	0			
Broken brown post, or strong brown gravel, with water	...	...	...	...	...	1	3	0			
COAL	...	...	...	...	...	0	2	3			
									4	0	3
In grey metal	...	...	...	...	...				0	0	3
Total	...	...	...	...	...				*4	0	6

* Approximate sea level 6 inches below this.

No. 1,103.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. $54^{\circ} 59' 18''$, Long. $1^{\circ} 46' 38''$.

Third place, bored in Heddon Banks, about 100 yards West from the second place.

Approximate surface level 25 feet above sea (Ordnance datum).

[illegible]

* Approximate sea level (Ordnance datum).

No. 1,104.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. _____, Long. _____

*Bored in Thos. Softley's Field, 100 yards South-east from Heddon Reigh.
April 13th, 1763.*

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	...	0	1	6				Brought forward	1	4	9½			
Grey metal ...	...	0	3	0				Blue metal ...	0	0	8			
White post ...	...	0	2	2				Whin girdle ...	0	0	7			
Blue metal ...	...	0	0	10				White grey girdles ...	0	1	10			
Brown post, with cash								Grey girdles ...	0	1	2½			
partings ...	...	0	1	6½				Brown post ...	0	2	0			
Brown post ...	...	0	0	7				Blue metal ...	0	5	1			
Cashy partings ...	...	0	0	3				COAL ...	0	1	5			
Blue grey girdly stone,												3	5	7
with partings ...	...	0	0	11										
Carried forward		1	4	9½				Carried forward				3	5	7

No. 1,104.—HEDDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				3	5	7	Brought forward	1	0	0	8	0	11½
Thill ...	0	3	0				White grey girdly						
Blue metal ...	0	1	1½				stone ...	1	0	0			
Blue metal, with grey							Cashy parting ...	0	0	2½			
girdles ...	0	1	2				Grey girdles ...	0	0	4½			
White post ...	0	4	6½				White grey post ...	0	1	11			
Grey post ...	0	2	1½				Grey metal ...	0	1	5½			
Whin girdle ...	0	0	5				White grey post ...	0	2	7			
Blue metal ...	0	3	1				Brown post ...	0	1	0			
Hard white grey post	0	2	7½				Strong white post ...	0	1	0½			
Blue grey metal ...	0	3	4				Cashy parting ...	0	0	3			
Blue grey metal ...	0	1	5				Brown post ...	0	0	3			
COAL ...	0	2	6½				Hard white post ...	0	1	5½			
				4	1	4½	Hard white post ...	0	1	1½			
Soft thill ...	0	1	0½								3	5	8
Grey metal ...	0	4	11½										
Carried forward	1	0	0	8	0	11½	Total ...				12	0	7½

No. 1,105.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Account of Boring at Heddon Colliery, about 200 yards North-West from Heddon New Winning. July 18th, 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	3	0				Carried forward				5	2	10
Gravel ...	1	3	0				Grey metal stone ...	4	0	0			
Sand and gravel, with							Grey post, with brown						
water at the bottom	2	1	6				scames, and water						
Brown post ...	0	0	8				near the bottom ...	2	0	0			
Blue metal ...	0	3	6				White and grey post	3	1	6			
							Blue grey metal ...	0	3	0			
COAL , foul... Ft. In.	1	9					Black metal ...	0	0	6			
Grey metal ...	0	10					COAL , with water						
COAL ...	0	7					at the top ...	0	2	4			
				0	3	2					10	1	4
Carried forward				5	2	10	Total ...				15	4	2

No. 1,106.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second place, bored on Heddon Banks, about 180 yards to the West from the first and about 500 yards East from the Close House Boundary. 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	1	3	0				Brought forward	10	3	0			
Strong stony clay ...	4	1	6				Soft black slaty metal	0	0	6			
Brown post ...	0	0	6				COAL , but will not						
Blue grey metal ...	0	4	0				cake or burn to any						
Grey scamy stone ...	0	3	9				cinder ...	0	2	6			
Blue metal stone ...	1	5	3								11	0	0
Grey scamy post, with							In grey metal ...				0	0	4
hard girdles ...	1	3	0										
Carried forward	10	3	0				Total ...				11	0	4

No. 1,107.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59' 27", Long. 1° 46' 54".

Bored in the Richard Pit, at Heddon, from the Thill of the Main Coal. April 3rd, 1764.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Main Coal</i> ...				16	0	0	Brought forward				23	1	4
Soft grey thill ...	0	0	9				Grey metal stone ...	0	1	0			
Strong white and							Grey and brown post,						
brown post ...	1	0	0				with water ...	1	2	0			
Brown and grey post	1	3	0				Grey metal stone {	0	1	8			
Blue metal ...	0	1	6					0	4	4			*
Grey and brown post,							Grey and brown gul-						
with whin girdles...	1	3	0				lety post, with water	1	0	0			
Grey metal and metal							Grey and white post...	8	0	0			
stone ..	0	5	0				Blue metal ...	0	0	3			
White and grey post	1	0	0				White post ...	0	0	6			
Grey metal stone ...	0	2	0				Black and blue metal	0	0	6			
Grey metal ...	0	1	0				COAL , rather hard						
COAL ...	1	5					near the bottom ...	0	2	5			
Blue grey metal	1	0									12	0	8
COAL , with							Hard girdle ...	0	0	3			
water, rather							In grey metal stone...	0	0	9			
slaty at the top	0	8									0	1	0
				7	1	4	Total ...				*35	3	0
Carried forward				23	1	4							

* Approximate sea level (Ordnance datum).

No. 1,108.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Account of Boring on Heddon Estate, about 100 yards North from the Turnpike, in Blakey's West Field, and about 140 yards South-west from Captain Slater's Pit.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	3	0				Brought forward	0	1	6	4	3	7
COAL	0	0	2				Black stone and white						
Grey thill	1	0	8				girdles	1	3	5			
White and dun post	0	3	0				COAL and blue stone	1	3	0			
Black stone and white											3	1	11
girdles	1	5	4				Thill	0	2	0			
COAL	0	3	5				Grey post girdles ...	1	1	6			
				4	3	7	Black stone	0	3	0			
Thill	0	1	6								2	0	6
Carried forward	0	1	6	4	3	7	Total				10	0	0

No. 1,109.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

First place, bored in a Staple at Heddon Banks.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about				3	0	0	Brought forward				6	4	8
Box	0	1	6				Grey metal stone ...	0	2	2			
Brown and grey scamy							COAL	0	0	3			
metal	0	1	10				Grey metal stone, with						
COAL	0	0	5				post girdles and						
Grey metal, with							metal partings ...	1	4	0			
brown scames and							Grey scamy post ...	0	5	0			
post girdles with							Grey metal	0	1	0			
water	3	0	0				COAL , foul Ft. In.						
COAL , but will not							and slaty	0	6				
cake	0	0	11				Grey metal stone	0	5				
				3	4	8	COAL	3	1				
										0	4	0	
Carried forward				6	4	8					3	4	5
							Carried forward				10	3	1

No. 1,109.—HEDDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				10	3	1	Brought forward				17	0	0
Dunnish grey metal...	0	0	5				Dun metal ...	0	0	6			
Grey scamy metal							Dun metal stone, with						
stone ...	0	3	0				water ...	1	5	6			
White post ...	1	2	6				Grey metal stone and						
Grey and brown scamy							girdles ...	1	5	0			
metal stone ...	0	3	0				Strong white post,						
Brown gullety post,							with gullety part-						
with water and set							ings near the top						
away the top feeders	0	5	6				and water ...	8	5	2			
Whin ...	0	1	0				COAL, with water...	0	1	10			
Brown and grey post	0	5	6								13	0	0
Blue metal stone, with							Black grey metal stone				0	2	6
post girdles ...	1	3	7										
Blue metal ...	0	1	0										
COAL, with water...	0	1	5										
				6	2	11							
Carried forward				17	0	0	Total ...				30	2	6

No. 1,110.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Second place, bored at Heddon Colliery on the North side of the Turnpike.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	2	0				Brought forward				6	5	6
COAL, foul	0	1	8				Grey metal ...	0	1	10			
				0	3	8	White and grey metal						
Soft grey metal ...	0	3	4				stone ...	0	4	10			
Brown and white post	0	4	6				COAL ...	0	1	2	1	1	10
White and grey metal													
stone ...	2	2	0				Grey metal stone ...	0	5	0			
Brown post, with							White and brown						
water ...	1	5	6				rambly post ...	1	3	0			
COAL, but will not							Brown post ...	1	3	4	3	5	4
cake nor burn to any													
cinder ...	0	4	6				COAL ...	0	0	6			
				6	1	10	Grey metal ...	0	0	2			
							COAL ...	0	1	1			
											0	1	9
							In grey metal stone				0	0	7
Carried forward				6	5	6	Total ...				12	3	0

No. 1,111.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

First place, bored in a Staple at Heddon Banks.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about				9	3	0
White post	0	3	7			
Grey post	1	5	0			
Brown post	1	3	5			
COAL , foul	0	1	0			
				4	1	0
Grey metal	0	1	6			
Grey metal stone ...	2	3	6			
Whin	0	2	0			
Whin mixture	0	2	8			
Grey metal stone ...	0	2	6			
Black metal, mixed with coal	0	0	9			
				4	0	11
Grey metal stone, with strong girdles ...	1	5	0			
Blue metal	0	0	6			
COAL , but slaty Ft. In. at the top ... 1 9						
Soft white metal 0 6						
COAL ... 0 3						
Black metal, mixed with coal 0 3						
	0	2	9			
				2	2	3
Grey metal	0	0	4			
Grey metal stone, with post girdles ...	2	1	6			
White and grey post	0	2	6			
Dark grey metal ...	0	0	4			
Carried forward	2	4	8	20	1	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	8	20	1	2
	Ft.	In.				
COAL ... 0 6						
Grey metal ... 0 6						
COAL ... 3 6						
				0	4	6
				3	3	2
Grey metal	0	1	6			
White and grey metal stone	3	0	2			
Strong white post ...	0	3	4			
Grey post, with water	2	0	2			
Grey metal	0	3	8			
COAL	0	1	7			
				6	4	5
Grey metal	0	1	5			
COAL	0	0	7			
Grey metal	0	2	3			
White and grey metal stone	2	4	6			
Strong white post, with whin girdles and water in some places	9	3	0			
Black stone, with a mixture of coal ...	0	0	6			
COAL	0	2	6			
				13	2	9
Black metal	0	0	6			
Dunnish grey metal...	0	1	0			
Grey metal stone ...	0	0	6			
				0	2	0
Total				44	1	6

No. 1,112.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Second place, bored on Heddon Banks on the South side of the Turnpike.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	...	0	3	0				Brought forward		0	5	0			
Rambly stone	...	0	2	0				White and grey metal							
								stone	...	1	3	6			
Carried forward		0	5	0				Carried forward		2	2	6			

No. 1,112.—HEDDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	6					Brought forward			19	4	11
Brown post ...	3	0	6					Grey metal ...	0	1	6		
Brown and white post, with water ...	2	5	4					Grey metal stone, with hard lumps ...	0	4	6		
COAL ...	0	0	5					COAL ...	0	0	8		
				8	2	9					1	0	8
Grey scamy metal ...	0	1	0					Strong grey metal stone ...	1	3	0		
Grey metal stone, with water ...	1	4	0					Black metal, mixed with coal ...	0	0	5		
COAL ...	0	2	2					Strong grey metal stone, with post gir- dles ...	1	0	0		
				2	1	2		White and brown post, with a mixture of whin girdles ...	3	4	0		
Grey metal ...	0	0	6					Grey metal ...	0	0	6		
Grey metal stone, with post girdles ...	1	1	6					Grey post ...	0	1	4		
Grey post ...	0	1	4					Strong grey metal ...	0	1	2		
Brown thready post, with water ...	0	1	8										
Grey post ...	0	3	0					COAL ...					
Strong grey post, mixed with whin ...	0	1	6										
Grey post ...	0	3	6					Black metal, mixed with coal ...	0	2			
White and grey metal stone, with hard gir- dles and water ...	1	4	0					COAL ...	4	0			
Dark grey metal stone	2	0	6								0	4	7
Grey metal stone ...	2	0	6										
COAL ...	0	1	0								7	3	0
				9	1	0		In grey metal ...			0	0	6
Carried forward				19	4	11		Total ...			28	3	1

No. 1,113.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 39", Long. 1° 46' 46".

Bored on Heddon Banks about 100 yards to the North from the Gee Pit.

Approximate surface level 340 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	0	2	0					Brought forward	9	0	0		
Brown sandy ramble	0	4	0					COAL ...	0	1	1		
Sandy gravel ...	0	1	0					Grey metal ...	0	4	6		
Brown post ...	1	0	0					COAL ...	0	1	0		
Blue grey metal ...	4	1	0								10	0	7
Blue and black metal	0	4	0					Blue grey metal stone	0	5	5		
Brown scamy ramble	1	1	0					Grey post ...	0	2	0		
Black metal, scared with coal ...	0	0	6					In whin ...	0	0	7		
Grey metal ...	0	4	6								1	2	0
Carried forward	9	0	0					Total ...			*11	2	7

* Approximate sea level 271½ feet below this.

No. 1,114.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

First place, bored on Heddon Banks.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk soil and stony clay ...	1	2	0				Brought forward				10	0	3
Brown post ...	1	3	6				Grey metal ...	0	1	6			
Whin ...	0	2	3				Blue grey metal stone	1	1	0			
Brown post ...	0	4	9				Brown post, with scamy partings, and water in some places, and a coal pipe near the bottom ...	8	5	6			
Blue grey metal, with post girdles ...	3	1	6				Black metal ...	0	0	4			
COAL, with water...	0	1	6				COAL, but will not cake or burn to any cinder ...	0	2	8	10	5	0
Grey metal ...	0	1	5				In grey metal ...				0	0	9
COAL ...	0	0	5	7	5	4	Total ...				21	0	0
Grey metal stone ...	2	0	8										
COAL ...	0	0	3	2	0	11							
Carried forward				10	0	3							

No. 1,115.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Second place, bored on Heddon Banks.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown stony clay ...	1	4	6				Brought forward	4	5	4	8	2	8
Strong stony clay ...	1	1	6				Black metal ...	0	5	0			
Soft grey metal ...	0	5	6				COAL ...	0	0	4	5	4	8
Grey metal stone ...	1	0	6				Grey metal, with post girdles ...	1	4	8			
Whin ...	0	1	0				Black metal ...	1	2	6			
Grey scamy metal stone, with brown partings ...	2	5	3				COAL ...	0	0	3			
Blue grey metal ...	0	1	0				Grey metal ...	0	0	6			
COAL ...	0	1	5	8	2	8	COAL ...	0	0	2			
Grey metal ...	1	4	7				Grey metal ...	0	0	6			
COAL ...	0	0	3				Grey post, with water	0	0	10			
Soft scamy stone ...	1	3	0				COAL, with water...	0	0	11			
White post ...	0	2	0				COAL, foul ...	0	0	2	3	4	6
Blue grey metal ...	1	1	6				Grey metal stone ...				0	3	3
Carried forward	4	5	4	8	2	8	Total ...				18	3	1

No. 1,116.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Margaret Pit, Heddon Colliery.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	0	3	0				Brought forward		2	1	0	19	1	6
Soil	...	0	1	4				Main Coal Seam—							
Gravel	...	0	1	2					Ft. In.						
Sand	...	0	0	11				COAL	...	0	6				
Soft post	...	2	0	0				Clay	...	0	5				
Grit	...	0	0	4				COAL	...	2	10				
Engine Seam—	Ft. In.							Splint	...	0	4				
COAL	...	3	0					Clay	...	1	0				
Clay	...	2	8								0	5	1		
			0	5	8								3	0	1
						4	0	5	Clay, with iron balls...	0	2	3			
Blue metal	...	1	5	5				White post	...	0	5	0			
Strong light metal	...	0	1	0				Blue metal	...	0	0	5			
Dark metal	...	0	4	1				White post	...	0	3	0			
Tilly Seam—	Ft. In.							Blue metal	...	0	0	9			
COAL	...	1	1					White post	...	0	1	0			
Clay	...	2	10					Blue metal	...	0	0	9			
			0	3	11			White post	...	1	3	9			
						3	2	5	Grey and white post...	0	3	9			
White post, with part-								Blue metal	...	1	0	0			
ings	...	4	1	3				White post	...	0	2	6			
Hodge Seam—	Ft. In.							Blue metal	...	0	2	6			
COAL	...	2	1					Black Seam—	Ft. In.						
Clay, with								COAL	...	1	9				
iron balls	4	3						Clay	...	0	11				
			1	0	4			COAL	...	0	5				
						5	1	7	Clay	...	2	6			
Blue metal	...	0	1	0							0	5	7		
White post	...	0	0	6									7	1	3
Dark metal, with post								Clay, with iron balls	0	2	6				
girdles	...	1	0	5				Grey metal	...	0	3	6			
Dark metal	...	0	0	6				White post	...	0	4	6			
Grey metal	...	1	0	4				Blue metal	...	0	3	9			
Post, with partings	...	1	1	7				Clay Seam—	Ft. In.						
Post, with whin	...	1	1	5				COAL	...	0	1				
Grey metal	...	0	4	0				Clay	...	1	6				
Three-Quarter Seam—											0	1	7		
COAL	...	2	4										2	3	10
Clay band	...	1	0					Grey post	...	1	4	6			
COAL band	...	0	6					Leafy post	...	7	5	0			
Clay	...	1	6					Post, with blue metal	0	5	3				
			0	5	4			Brockwell Seam—							
						6	3	1		Ft. In.					
White post	...	0	5	0				Ramble	...	0	2				
Blue metal	...	1	2	0				COAL	...	2	8				
								Splint	...	0	4				
								Clay	...	1	5				
											0	4	7		
													11	1	4
								Into hard white post.							
Carried forward		2	1	0	19	1	6	Total	...				43	2	0

No. 1,119.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 2", Long. 1° 39' 44".

Bored about 300 yards South of Hedley, in Nicholas Cowey's Farm.
June 7th, 1744.

Approximate surface level 495 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black peat moss ...	0	3	0				Brought forward	18	0	4			
Sand ...	0	1	6				Sand and gravel ...	0	2	0			
Soft leafy clay ...	1	3	0				Gravelly or broken						
Sand, with water ...	1	3	0				post, with water ...	3	2	0			
Sand, scared with soft							Gravelly or broken						
clay ...	0	3	0				post, with stony clay						
Leafy clay ...	3	1	0				and layers of coal	1	3	0			
Stony clay ...	2	3	10				COAL, mixed with						
Sand, mixed with leafy							sand ...	0	5	0			
clay and water ...	3	0	0								24	0	4
Soft leafy clay ...	0	5	0				Stony clay ...	5	0	0			
Sand ...	1	0	0				Leafy clay ...	1	3	0			
Brown sandy clay ...	0	4	0				Stony clay ...	1	2	2			
Soft leafy clay ...	2	3	0								7	5	2
Carried forward	18	0	4				Total ...				31	5	6

* Approximate sea level 303½ feet below this.

No. 1,120.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Sinking Account of Pit South of the Village, Hedley Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	0	6				Brought forward	10	0	0	12	2	10
Slaty sandstone ...	1	3	0				Five-Quarter Seam—						
Soft blue metal ...	0	3	0				COAL, ten-						
Soft blue plate ...	5	0	0				der, with a						
COAL, splint ...	0	1	1				bit of hard	Ft.	In.				
				7	1	7	band ...	0	4				
Blue plate ...	5	0	0				Shale ...	0	0½				
COAL ...	0	1	3				COAL ...	2	9				
				5	1	3				0	3	1½	
Sandstone ...	9	0	0								10	3	1½
Plate ...	1	0	0										
Carried forward	10	0	0	12	2	10	Carried forward				22	5	11½

No. 1,120.—HEDLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				22	5	11½		Brought forward	2	4	0	22	5	11½
<i>Sunk in the summer</i>								<i>Six-Quarter Seam—</i>						
<i>of 1839 :—</i>								COAL , tender	Ft.	In.				
Thill of 5¼ Seam ...	0	4	0					and scamy...	1	9				
Blue stone ...	2	0	0					Band ...	0	1				
								COAL ...	1	9				
											0	3	7	
												3	1	7
Carried forward	2	4	0	22	5	11½		Total ...				26	1	6½

No. 1,121.—HEDLEY FELL.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Note of the Colours of the Stones in Hedley Fell, about the middle of the Horse Race, and 100 yards South from it. May, 1685.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone post ...	14	0	0			
Black grey stone ...	3	2	0			
COAL ...	1	0	0			
				18	2	0
White thill ...				0	1	0
Total ...				18	3	0

No. 1,122.

Second place, 100 yards South-east from No. 1 Hole.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...	1	3	0			
Bored :—						
Blue metal ...	2	0	0			
COAL ...	0	3	0			
				4	0	0
White thill ...				0	1	5
Total ...				4	1	5

No. 1,123.

Hole bored in the East side of Hedley Fell, a little above Clinty Ford.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Earth ...	4	3	0			
Yellow post ...	3	3	0			
White post ...	3	3	0			
Blue grey stone ...	1	3	0			
COAL ...	1	1	0			
				14	1	0
Total ...				14	1	0

No. 1,124.—HEDLEY FELL.—CONTINUED.

Stones at Whitefield Gate, in Hedley Fell. April 6th, 1763.

							Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...	...	...	...	...	...	...	2	0	0			
White post	...	...	...	...	...	...	7	3	9			
COAL	...	...	...	...	...	...	0	5	8			
										10	3	5
Total	...	...	...	...	...	...				10	3	5

No. 1,125.

Hole bored 100 yards South-east from the Gate.

							Fs.	Ft.	In.	Fs.	Ft.	In.
Earth ...	...	...	...	...	...	...	4	0	0			
In strong white post			...	...	...	...	3	0	0			
										7	0	0
Total	...	...	...	...	...	...				7	0	0

NOTE.—Several other places were bored by J. Wake where no coal was got.

No. 1,126.—HEDLEY HILL.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata sunk through in a Staple sunk for ventilating purposes at Hedley Hill Colliery, situated about three miles from Tow Law in an Easterly direction. (This colliery is wrought by a drift put in at the hill side.)

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	4	0				Brought forward	9	5	0			
Post	...	...	0	5	0				Blue stone	...	...	0	1	0	
Blue stone	...	...	3	0	0				Post	...	...	0	3	0	
Post	...	...	2	3	0				Blue stone	...	...	0	3	6	
Blue stone	...	...	0	3	0				Post	...	...	1	0	0	
Post	...	...	0	1	0				Blue stone	...	...	0	3	0	
Blue stone	...	...	0	4	0				Post	...	...	0	1	0	
Post	...	...	0	3	0				Blue stone	...	...	0	1	0	
Blue stone	...	...	0	2	0				COAL	...	...	0	3	0	
Post	...	...	0	4	0								13	2	6
Carried forward			9	5	0				Total	...	...		13	2	6

No. 1,127.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44' 54", Long. 1° 47' 41".

An Account of Strata sunk through in Edward Pit, Hedley Hope Colliery, near Crook.

Approximate surface level 830 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward				12	0	9
Blue clay	2	3	0				Seggar clay	1	0	4			
Grey post	0	2	2				Ironstone girdle	0	0	3			
Grey metal	0	2	2				Grey post	1	1	0			
Whin	0	2	2				Whin	0	1	2			
Blue metal	0	2	2				White post	0	1	9			
Whin	0	2	0				Grey metal, with gir-						
Blue metal, with post							dles	0	5	0			
girdles	1	0	0				Blue metal	0	2	0			
Grey post	0	4	0				Ironstone	0	0	4			
Blue metal, with iron-							Blue metal	0	3	7			
stone girdles	1	0	0				COAL — <i>Brockwell</i>						
COAL	0	0	11				<i>Seam</i>	0	4	0½			
				7	1	1					5	1	5½
Seggar clay	1	5	0				Seggar clay	0	2	0			
Post, mixed with whin	0	3	0				Grey post	2	0	0			
Blue metal	1	0	0				Blue metal	0	4	0			
Ironstone girdles	0	0	5								3	0	0
Blue metal	0	5	0										
Ironstone girdles	0	0	3										
Blue metal	0	1	6										
COAL	0	2	6										
				4	5	8							
Carried forward				12	0	9	Total				*20	2	2½

* Approximate sea level 707¾ feet below this.

No. 1,128.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Account of Boring ½ S.E. of Low Hedley Hope Farm House and in Hedley Hope Royalty. Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	9				Brought forward	2	0	7			
Brown strong clay	0	3	6				Blue metal	0	0	4			
Brown rambly post,							COAL , rather tender						
with water	1	2	4				— <i>Main Coal Seam</i>	0	3	6			
											2	4	5
Carried forward	2	0	7				Carried forward				2	4	5

No. 1,128.—HEDLEY HOPE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				2	4	5	Brought forward				23	3	5
Grey metal ...	2	2	7				Grey metal ...	0	2	3			
Brown and grey post, with soft parting ...	2	3	6				White post, with beds of metal stone and water ...	4	4	1			
Dark metal stone, with ironstone girdles and scars of coal near the bottom ...	2	5	0				Grey metal stone, with post and iron girdles	3	5	3			
Grey metal stone, with post girdles ...	4	0	6				White post, with water ...	1	1	0			
Grey post, with brown partings ...	1	2	0				Grey metal stone, with water ...	3	2	0			
Grey metal stone, with post girdles ...	1	0	7				White post ...	0	3	6			
Brown post ...	4	0	5				Grey metal stone, with post girdles ...	2	5	3			
White post, with metal partings and water	2	0	6				COAL ...	0	0	9			
Black metal ...	0	1	4				Grey metal stone ...	0	2	0			
COAL, foul...	0	0	7				White post, with whin girdles ...	0	4	4			
				20	5	0					18	0	5
Carried forward				23	3	5	Total ...				41	3	10

No. 1,129.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored on Hedley Moor, near Beamish. 1731-2.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	2	0	0				Brought forward	9	5	6			
Sand, with water ...	1	3	0				Sand, mixed with clay	2	0	0			
Soft leafy clay ...	0	3	0				Sand, with water ...	2	3	0			
Sand, mixed with coal	1	4	0				Soft clay ...	0	3	0			
Sandy channel ...	0	1	6				Sand ...	0	3	6			
Soft clay, mixed with sand ...	4	0	0				Soft clay and sand ...	2	3	0			
											18	0	0
Carried forward	9	5	6				Total ...				18	0	0

No. 1,130.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored in Hedley Moor 300 yards South from the West House, near the Well.
July 20th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	1	3	0				Brought forward	11	4	11			
Sand, with a sipping of water ...	0	1	6				Sand, with small layers of soft clay and water ...	4	4	0			
Dry sand ...	6	0	0				Soft leafy clay ...	3	0	0			
Sand, with much water	0	5	0				In a brown stone ...	0	0	3			
Soft sandy clay ...	0	0	5								19	3	2
Sand, with water ...	3	1	0										
Carried forward	11	4	11				Total ...				19	3	2

No. 1,131.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Strata bored through at Hedley Moor, near the Wagonway.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil ...	0	1	6				Brought forward	8	0	0			
Sand ...	0	3	0				Soft stony clay ..	0	3	0			
Soft leafy clay and sand	0	1	6				Sand and leafy clay, with water ...	3	3	0			
Sand and leafy clay, with water and small coal ...	2	0	0				Soft leafy clay, mixed with sand ...	1	1	0			
Gravelly sand ...	0	5	0				Stony clay ...	1	1	0			
Soft sandy clay ...	0	1	0				Open brown sandy post, and set away the water ...	0	1	2			
Sandy gravel or channel ...	1	0	0								14	3	2
Soft clay ...	0	3	0										
Sand and leafy clay, with water and small coal...	2	3	0										
Carried forward	8	0	0				Total ...				14	3	2

No. 1,132.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Bored at Hedley Moor, near the Open Cast, now Moor Pit. June 26th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil and brown sandy clay... ..	0	3	0				Brought forward	4	5	6			
Sand, with soft clay and a small sipping of water	0	5	0				Leafy clay, mixed with sand	1	0	6			
Soft leafy clay, mixed with sand	1	0	0				Sand and water, with small scares of clay	4	1	4			
Soft slaky clay and sand, with water ...	0	2	6				Leafy clay	0	1	6			
Brown sand	0	4	6				Slaky sand and soft clay	1	0	0			
Sand and soft slaky clay, with water ...	1	0	0				Soft leafy clay, scared with sand	0	3	0			
Leafy clay	0	2	6				Leafy clay	1	0	0			
							Stony clay	0	1	8			
											13	1	6
Carried forward	4	5	6				Total				13	1	6

No. 1,133.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through within the Boundary of Helme Park Colliery, in the Parish of Wolsingham. No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and clay	1	5	0				Brought forward	0	1	3	11	3	0
Broken freestone	3	3	0				Grey leafy post	0	3	10			
COAL	0	0	2				COAL	0	1	3			
				5	2	2					1	0	4
Blue metal	4	4	10				Thill stone	0	3	2			
COAL	0	1	2				Grey metal stone	0	4	1			
				5	0	0	Blue metal stone	2	1	1			
Thill stone	0	2	2				Post	0	2	1			
COAL	0	1	1				Blue metal stone	0	1	4			
				0	3	3	COAL	0	2	10			
Ironstone	0	0	3								4	2	7
Blue metal stone	0	0	4				Blue metal stone	0	1	3			
COAL	0	3	0				Thill	0	1	5			
				0	3	7	Post	0	3	8			
Thill stone	0	1	3								1	0	4
Carried forward	0	1	3	11	3	0	Total				18	0	3

No. 1,134.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through in No. 2 Hole, at 32 chains from Helme Park Colliery.
Ascent 74 feet.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	1	5	0				Brought forward	0	2	2	13	5	4
Black shivery stone...	0	4	0				Grey post stone ...	0	2	0			
Post girdles ...	3	3	0				Grey metal stone ...	2	3	4			
COAL ...	0	1	4										
				6	1	4	COAL ...		1	10			
Thill stone ...	0	1	8				Band ...		0	3			
Blue metal stone ...	1	0	0				COAL ...		3	2			
COAL ...	0	3	0								0	5	3
				1	4	8							4 0 9
Thill stone ...	2	1	8				Thill stone ...	0	1	8			
Grey metal stone ...	0	4	0				Grey post stone ...	2	5	7			
Blue metal stone ...	1	0	8				Grey metal stone ...	1	1	3			
Grey metal stone ...	1	3	4				COAL ...	0	4	3			
COAL ...	0	1	8								5	0	9
				5	5	4	Thill ...				0	3	0
Thill stone ...	0	2	2										
Carried forward	0	2	2	13	5	4	Total ...				23	3	10

No. 1,135.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through in No. 3 Hole at Helme Park Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	5	0				Brought forward				2	4	4
Freestone ..	1	4	0				Grey metal stone ...	8	0	0			
COAL ...	0	1	4				COAL ...	0	3	0			
				2	4	4					8	3	0
Carried forward				2	4	4	Carried forward				11	1	4

No. 1,135.—HELME PARK.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						11	1	4	Brought forward						26	2	0
Thill stone	...	...	0	1	6				Thill	...	...	0	0	7			
Post stone	...	...	1	0	8				Post	...	...	0	2	7			
COAL	...	...	0	1	8				Grey metal	...	...	1	0	3			
						1	3	10	Post girdles	...	...	0	5	9			
Thill stone	...	...	0	1	0				Grey metal stone	...	...	1	3	2			
Grey metal stone	...	...	0	3	10				COAL	...	...	0	2	8½			
Post stone	...	...	3	3	7										4	3	0½
COAL	...	...	0	2	0				Thill	...	...	0	2	6			
						4	4	5	Grey metal	...	...	0	5	4			
Thill stone	...	...	0	1	9				Grey post girdles	...	...	1	0	2			
Grey metal stone	...	...	1	2	9				Grey post stone	...	...	0	2	0			
Grey post	...	...	1	1	2				Grey metal	...	...	0	1	4			
Grey metal	...	...	0	1	9				Blue metal	...	...	0	2	8			
COAL	...	...	0	3	3				COAL	...	...	0	4	4			
						3	4	8							4	0	4
Thill	...	...	2	2	6				Thill	...	...				0	0	8
Grey post	...	...	0	3	11												
Grey metal	...	...	1	3	9												
COAL	...	...	0	1	7												
						4	5	9									
Carried forward						26	2	0	Total						35	0	0½

No. 1,136.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 55", Long. 1° 37' 32".

Account of a Boring from the Low Main Coal in Heps cott Pit.

Approximate surface level 100 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...						16	4	0	Brought forward			17	5	4	37	4	6
						8	2	0*	Grey metal	...	...	0	2	8			
Pipe	...	...	7	5	3				COAL, foul...	...	...	0	0	6			
Grey metal stone	...	...	4	4	9										18	2	6
COAL	...	...	0	0	6				Grey metal stone	...	...	1	3	4			
						12	4	6	Beaumont Seam—								
Grey metal stone, with									COAL, slaty		Ft. In.						
girdles	...	...	6	0	10				COAL, ra-								
White post	...	...	1	1	2				ther foul	...							
Whin	...	...	0	0	10							0	2	9			
Grey metal stone, with															2	0	1
girdles	...	...	2	1	6				Brown metal...	...	...	1	5	0			
Strong white post	...	...	8	1	0				COAL	...	...	0	1	5			
															2	0	5
Carried forward			17	5	4	37	4	6	Carried forward						60	1	6

* Approximate sea level (Ordnance datum).

No. 1,138.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 19", Long, 1° 38' 25".

Account of Boring in No. 1 Hole, in Heps cott Royalty.

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black peat ...	1	0	0										
Sand ...	2	0	0										
Sand, with beds of clay	3	0	0										
Clay, with beds of sand	2	0	0										
Sand, with water ...	1	4	0										
Blue leafy clay ...	1	0	0										
Brown strong clay ...	1	2	0										
Sand and gravel ...	1	3	0										
Blue clay ...	5	5	0										
Sand ...	0	4	0										
Post ...	1	4	0										
	0	2	0				*						
Dark metal ...	1	4	0										
Black metal ...	1	0	6										
Metal stone ...	3	0	0										
Post ...	1	2	0										
Black metal ...	0	3	0										
Grey metal ...	0	2	6										
COAL ...	0	0	6	30	0	6							
Metal stone ...	3	0	0										
White post ...	1	5	0										
Dark metal ...	0	0	6										
COAL, soft...	0	3	3	5	2	9							
Metal ...	1	3	0										
Metal stone ...	1	0	6										
COAL ...	0	0	9	2	4	3							
Brown post ...	1	0	0										
Grey metal ...	1	0	6										
COAL ...	0	0	6	2	1	0							
Grey metal ...	0	1	0										
Post metal partings...	1	2	0										
Dark metal ...	0	1	6										
Girdle ...	0	1	0										
Metal stone ...	0	4	6										
White post ...	1	4	0										
Metal stone ...	0	5	0										
Dark stone girdles	1	1	6										
COAL ...	0	1	0	6	3	6							
Grey metal ...	0	1	0										
Post ...	0	3	0										
Metal stone ...	1	3	6										
COAL ...	0	0	3	2	1	9							
Carried forward				49	1	9							
Brought forward											49	1	9
Metal stone ...	0	5	3										
Yellow post ...	1	0	0										
Strong post ...	1	2	0										
Brown post ...	1	2	0										
COAL ...	0	11											
Metal band ...	0	3											
COAL ...	0	10											
				0	2	0					4	5	3
Grey metal ...	0	2	0										
Dark metal ...	0	0	6										
Metal, scared with coal	0	0	8										
COAL ...	0	2	9								0	5	11
Metal ...	0	3	0										
White post ...	1	0	0										
COAL ...	0	1	3								1	4	3
Metal stone ...	1	2	8										
COAL ...	0	0	3								1	2	11
Metal stone ...	0	4	0										
Post ...	2	3	0										
Metal stone ...	1	0	0										
Post ...	0	3	0										
White post ...	1	2	6										
Metal stone ...	0	3	0										
Grey metal, scared													
with coal ...	0	0	6										
COAL ...	0	0	3								6	4	3
Grey metal, scared													
with coal ...	0	2	0										
White post ...	0	5	0										
Grey metal ...	0	3	0										
White post ...	3	5	6										
Grey metal, scared													
with coal ...	0	2	0										
Metal stone ...	0	3	0										
Dark metal ...	0	3	0										
COAL ...	0	1	6								7	1	0
Dark metal ...	0	4	0										
Post girdles ...	0	1	6										
Dark metal ...	0	3	0										
Carried forward				1	2	6					72	1	4

* Approximate sea level (Ordnance datum).

No. 1,138.—HEPSCOTT.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			1	2	6	72	1	4	Brought forward			87			4	1	
Grey post	...	...	0	3	0				Grey metal	...	...	2	5	6			
COAL	...	...	0	3	0				COAL	...	...	0	0	3			
						2	2	6							2	5	9
Grey metal	...	...	0	4	0				Grey metal and coal	...	...	0	1	0			
Metal stone	...	...	1	0	0				COAL	...	...	0	1	3			
COAL	...	...	0	0	6										0	2	3
						1	4	6									
Grey metal stone	...	...	2	5	3				Grey metal	...	...	0	3	0			
Black metal	...	...	0	0	9				Metal stone	...	...	1	0	0			
Grey metal	...	...	0	0	3				Black metal	...	...	0	1	0			
COAL	...	...	0	0	6				Grey metal	...	...	0	3	0			
						3	0	9	Metal	...	...	1	1	6			
Grey metal	...	...	0	3	2				Metal	...	...	0	1	6			
COAL	...	...	0	2	5												
						0	5	7	COAL	...	Ft. In.	2	8				
Grey metal	...	...	0	3	0				COAL, foul	...	Ft. In.	0	3				
Grey and white post	...	...	3	4	0												
Hard white post	...	...	0	5	0										0	2	11
White post	...	...	1	5	6												
															4	0	11
COAL	...	Ft. In.	1	8													
Band	...	...	0	0 $\frac{1}{2}$													
COAL	...	...	0	2 $\frac{1}{2}$													
						0	1	11									
						7	1	5									
Carried forward						87	4	1	Total						95	1	0

No. 1,139.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 37", Long. 1° 38' 40".

Account of Boring in No. 2 Hole, in Hepscomb Royalty. 1868.

Approximate surface level 167 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
									Brought forward			19	3	0			
Dry sand	...	...	2	3	0												
Wet sand	...	...	5	3	0				COAL	...	Ft. In.	1	10				
Loamy clay	...	...	2	0	0				COAL, soft	...	Ft. In.	1	3				
Brown stony clay	...	...	4	2	0							0	3	1			
Leafy clay	...	...	1	3	0										20	0	1
Freestone tumbler	...	...	0	1	0				Grey metal	...	...	0	3	0			
Brown stony clay	...	...	1	2	0				Metal stone	...	...	0	3	0			
White post	...	...	1	3	6				Soft yellow post	...	...	3	0	0			
Grey metal	...	...	0	3	6				Metal stone	...	...	2	3	6			
Carried forward			19	3	0				Carried forward			6	3	6	20	0	1

No. 1,139.—HEPSCOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	6	20	0	1	Brought forward	3	3	6	26	5	1
Black stone ...	0	0	6				Metal stone ...	1	4	6			
COAL ...	0	1	0				Dark metal ...	0	3	0			
				6	5	0	COAL ...	0	0	6			
Metal and metal stone	0	5	11								5	5	6
	2	0	7			*							
Grey post ...	0	3	0										
Carried forward	3	3	6	26	5	1	Total ...				32	4	7

* Approximate sea level (Ordnance datum).

No. 1,140.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 49½", Long. 1° 39' 4".

Sunk and bored in the Hepscott Royalty, near to the Tile Sheds.

Approximate surface level 145 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow and blue clay	18	3	0				Brought forward	1	5	1	36	0	1
Yellow freestone ...	5	4	0				White post ...	0	0	8			
	0	2	0			*	Blue metal ...	0	5	0			
Blue metal ...	3	3	0				COAL ...	0	0	9			
COAL ...	0	1	6								2	5	6
				28	1	6	Thill stone ...	0	5	9			
Dark metal ...	1	0	0				Blue metal ...	1	1	7			
White post ...	0	0	8				Grey post ...	1	0	0			
Blue metal ...	0	2	3				Grey metal ...	1	5	0			
Strong white post ...	0	3	10				White post ...	0	0	5			
Grey post ...	0	3	8				Grey metal ...	1	1	0			
White post ...	0	1	0				White post ...	7	0	0			
Blue metal ...	2	3	7				Grey metal ...	0	2	0			
COAL ...	0	1	10										
				5	4	10	COAL ...	0	10				
Thill stone ...	0	1	6				Soft black stone	0	8				
Blue metal ...	0	0	10				COAL ...	1	7				
Grey post ...	0	3	4							0	3	1	
Dark metal ...	0	2	6								14	0	10
White post ...	0	2	5				Strong grey post ...	0	2	9			
Blue metal ...	0	1	0				Blue metal ...	0	1	10			
COAL ...	0	0	2				White post ...	0	1	0			
				1	5	9	Blue metal ...	0	4	11			
Thill stone ...	0	0	4				Black stone ...	0	1	6			
Black stone ...	0	2	7				Splint ...	0	0	6			
Grey post ...	0	1	10				Blue metal ...	0	2	6			
Blue metal ...	1	0	4				COAL, with water...	0	0	6			
											2	3	6
Carried forward	1	5	1	36	0	1	Carried forward				55	3	11

* Approximate sea level (Ordnance datum).

No. 1,140.—HEPSCOTT.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						55	3	11	Brought forward			2	3	5	58	3	11
Blue metal	...	...	0	2	6				White post	...	...	0	1	4			
Grey post	...	...	2	0	0				Brown post	...	...	0	4	6			
Blue metal	...	...	0	2	6				Blue metal	...	...	0	2	0			
COAL	...	...	0	1	0				Whin	...	...	0	1	7			
						3	0	0	White post	...	...	0	1	1			
Thill stone	...	...	0	1	0				Blue metal	...	...	2	4	0			
Grey post	...	...	0	4	6										6	5	11
Blue metal	...	...	0	3	11												
Thill stone	...	...	1	0	0												
Carried forward			2	3	5	58	3	11	Total			...	...		65	3	10

No. 1,141.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Bored in Hepscott Royalty, near the Field House Farm.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay			18	0	0				Brought forward			4	2	7	28	4	1
Grey metal, with post									White post	...	...	0	1	0			
girdles	...	...	3	4	6				Grey metal	...	...	0	3	9			
Blue metal	...	...	0	3	0				White post	...	...	0	4	9			
COAL	...	...	0	0	10				COAL	...	...	0	0	7			
						22	2	4							6	0	8
Blue metal	...	...	0	1	6				Thill stone	...	...	0	1	8			
Black stone	...	...	0	2	2				White post	...	...	0	2	8			
Dark metal	...	...	0	0	11				Thill stone	...	...	0	2	7			
Splint, with spar	...	...	0	1	8				White post	...	...	2	3	0			
Grey metal	...	...	0	4	10				Dark post	...	...	0	3	6			
Grey post	...	...	0	4	7				Blue metal	...	...	0	2	8			
Blue metal	...	...	0	0	6				White post	...	...	3	2	6			
Grey post	...	...	2	1	10				Blue metal	...	...	0	0	8			
COAL	...	...	0	0	5												
						5	0	5	COAL	...	Ft. In.	2	4				
Thill stone	...	...	0	5	11				Soft white band	...		0	6				
Strong white post	...	...	0	0	8				COAL	...		0	6				
COAL	...	...	0	0	9										0	3	4
						1	1	4							8	4	7
Blue metal	...	...	1	1	7				Thill stone	...	...	0	0	5			
White post	...	...	0	1	10				Blue metal	...	...	0	1	2			
Whin	...	...	0	0	6				Into white post	...	...	0	1	6			
Dark post	...	...	2	4	8										0	3	1
Carried forward			4	2	7	28	4	1	Total			...	...		44	0	5

No. 1,142.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 9' 58", Long. 1° 38' 22".

Account of Strata bored through at Shadfen, in Heps cott Royalty. 1874.

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	4	1	6				Brought forward	15	2	3	22	5	11
Stony clay	2	5	0				Hard girdle	0	0	3			
Ramble	1	4	6				Light blue metal	0	3	5			
Brown post	2	0	7				Black metal	0	0	8			
Blue metal	0	5	11				COAL	0	1	5			
COAL	0	0	4								16	2	0
Metal stone	0	5	0				Grey metal stone, with						
Post girdle	0	0	6				post	1	1	11			
Blue metal	1	0	5				Blue metal and metal						
Post girdle	0	0	10				stone	0	5	2			
Metal stone	0	2	9				Grey post	0	2	10			
Grey post	0	1	0				COAL	0	0	8			
Blue metal	1	2	0				Grey metal stone	0	1	1			
A fall of	0	2	0				Grey post	1	5	2			
Grey metal	0	1	6				COAL	0	1	1			
Light blue metal	2	2	6								4	5	11
Grey post, with metal							Grey metal	0	3	3			
partings	0	5	4				Grey metal stone	0	3	6			
COAL	0	0	5				Blue metal and metal						
Grey metal	0	1	4				stone, with post						
Dark grey post and	1	2	7				girdles	4	0	5			
metal stone	1	0	10			*	COAL	0	0	11			
COAL	0	1	1								5	2	1
				22	5	11	Grey metal	0	3	4			
Blue and grey metal							Grey post	2	0	6			
stone, with post ...	1	3	6				Iron girdle	0	1	0			
Blue metal	0	3	1				Grey post	1	5	2			
Grey post, with metal							COAL	0	0	3			
partings	1	2	4				Blue metal	0	4	4			
Blue metal	1	2	5				Metal, scared with coal	0	0	9			
Dark metal	0	2	0				Blue metal	1	1	3			
Grey metal stone ...	0	5	5				COAL	0	1	10			
Grey post	0	5	6								7	0	5
Light metal	0	2	9				Grey metal and metal						
Grey post	6	2	0				stone	0	4	7			
Blue metal	0	1	11				Into grey post	0	3	0			
COAL	0	0	4								1	1	7
Blue metal and metal													
stone	1	1	0										
Carried forward	15	2	3	22	5	11	Total				57	5	11

* Approximate sea level (Ordnance datum).

No. 1,143.—HERDLEY.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Boring at Herdley Bank, by the Burnside, near the Railway Culvert. October 16th, 1849.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	0	8	18	2	1
Brown stony clay ...	10	1	0				Grey post ...	1	4	0			
Brown and grey post	6	1	0				Grey metal ...	0	2	0			
COAL ...	0	0	6				Grey post ...	1	0	0			
				16	3	0	Strong white post	0	5	6			
Grey metal stone, with							Grey post ...	3	3	10			
post girdles ...	1	2	11				Black metal, scared						
Black stone ...	0	0	10				with coal ...	0	0	7			
Hard girdle ...	0	0	3				COAL ...	0	0	4			
COAL, with a hard											10	4	11
band an inch thick							Grey metal ...	0	0	4			
at 5 inches from the							White post, mixed with						
top ...	0	1	1				whin in places ...	6	2	3			
				1	5	1	Soft parting ...	0	0	2			
Grey metal, with gir-							Strong grey stone	0	3	0			
dles ...	1	1	8				In strong post, mixed						
Grey post ...	0	5	0				with whin ...	1	4	0			
Grey metal stone, with											8	3	9
post girdles ...	1	0	0										
Carried forward	3	0	8	18	2	1	Total ...				37	4	9

N.B.—This hole was lost with a broken wimble, which is fast with sand at the bottom.

No. 1,144.—HETT.

TOWNSHIP OF HETT, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring No. 1 Hole, in Hett Royalty. February 5th, 1857.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	9	4	0				Brought forward				10	2	3
Soft brown post	0	2	0				Strong clay ...	1	4	3			
COAL, mixed with							Shivery post ...	0	4	0			
metal and clay ...	0	2	3				Grey metal ...	2	5	6			
				10	2	3							
Carried forward				10	2	3	Carried forward	5	1	9	10	2	3

No. 1,144.—HETT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	9	10	2	3		Brought forward			67	5	2
Grey post ...	0	3	6					Brown metal...	0	1	0		
COAL—Low Main..	0	1	10					Grey metal, with iron-					
				6	1	1		stone girdles ...	3	0	0		
Grey metal ...	0	0	5					Grey and white post...	0	1	4		
Grey and white post,								Whin ...	0	0	7		
set away the water	4	1	0					Strong white post,					
Grey metal, with gir-								with whin girdles...	0	2	8		
dles ...	2	2	0					COAL, foul...	0	0	5		
COAL—Hutton (up-											4	0	0
per portion) ...	0	0	4					Grey metal stone, with					
Grey post ...	3	3	0					post girdles ...	1	0	4		
White post ...	2	3	0					COAL ...	0	0	9		
Dark metal, mixed											1	1	1
with coal ...	0	3	6					Grey metal stone ...	5	0	0		
Grey metal, with iron-								Dark metal ...	0	1	10		
stone girdles ...	3	2	8										
COAL — Hutton								COAL ...	Ft.	In.			
(lower portion) ...	0	1	11						1	11			
				16	5	10		Brown metal,					
Grey metal ...	0	4	0					mixed with					
White post ...	2	1	0					coal ...	0	3			
Dark metal ...	0	3	0					COAL ...	0	9			
Grey metal ...	1	2	0					White metal...	0	2			
Strong white post,								White post ...	1	4			
with whin girdles...	2	1	3					COAL ...	1	8			
Grey metal stone ...	1	5	6								1	0	1
White post, mixed with											6	1	11
whin and water ...	4	0	0					Brown metal...	0	0	5		
Grey metal, with gir-								Grey post ...	0	0	8		
dles ...	3	0	6					Grey metal ...	0	4	0		
Grey post ...	1	2	0					White post ...	2	1	0		
Grey metal ...	4	0	6					Whin ...	0	0	10		
Dun whin ...	0	1	0					White post ...	0	5	0		
Strong metal stone,								White post, mixed					
inclining to post ...	3	5	6					with whin...	4	5	0		
White post, mixed								Grey metal ...	0	2	0		
with whin ...	0	2	6					Dark metal ...	0	0	5		
Grey metal ...	1	0	0					COAL ...	0	1	10		
Post, mixed with whin	0	2	3								9	3	2
Grey metal ...	0	4	0					Grey metal ...	0	1	0		
Dark metal ...	0	0	5					Grey metal stone gir-					
Hard girdle ...	0	0	7					dles ...	3	3	6		
COAL—Harvey Seam	0	1	8					White post ...	0	4	8		
				28	1	8		Grey metal ...	0	1	2		
Grey metal ...	0	1	0					COAL, foul...	0	0	4		
Grey metal stone ...	1	2	3								4	4	8
Strong white post ...	0	0	9					Grey metal ...	0	0	8		
Grey metal ...	0	1	6					White post, mixed					
COAL ...	0	0	4					with whin...	5	4	3		
				1	5	10							
Brown metal...	0	1	0					COAL ...	Ft.	In.			
Grey metal stone ...	1	1	0						0	3			
Whin ...	0	3	6					Grey metal ...	1	1			
Post, mixed with whin	0	1	0					COAL, inferior	0	4			
Grey metal stone ...	0	4	9					COAL, good..	1	10			
Dark metal, scared								Brown metal...	0	0 $\frac{1}{2}$			
with coal ...	0	5	9					COAL, good.:	1	10 $\frac{1}{2}$			
COAL, foul—Busty	0	1	6								0	5	5
				4	0	6					6	4	4
								Into strong post ...			0	0	2
Carried forward				67	5	2		Total ...			100	2	6

No. 1,145.—HETT.

TOWNSHIP OF HETT, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 29", Long. 1° 32' 50".

Strata bored through 200 yards due South of Hett Old Paper Mill. Commenced July 25th, 1865, and finished November 10th, 1865.

Approximate surface level 278 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8				Brought forward	8	2	0	34	3	11½
Yellow clay ...	0	2	4				Hutton Seam (lower						
Soily clay ...	0	4	6				portion)—						
Loamy clay ...	1	1	3				Ft. In.						
Sandy clay ...	0	0	5				COAL, good..	1	0				
COAL, danty	0	0	3				COAL, brassy	0	2				
				2	3	5	COAL, splinty,	0	9				
							full of brass	0	9				
Stony clay ...	1	4	10					0	1	11			
Grey post, with metal											8	3	11
partings ...	6	4	1										
Very soft grey metal	0	0	8				Strong black stone,						
COAL, soft danty							mixed with coal ...	0	0	10			
(water went away)	0	0	8				Soft black metal ...	0	0	3			
				8	4	3	Dark grey metal ...	0	0	4			
							Light grey metal, with						
Grey post ...	1	0	10				post girdles ...	1	3	6			
Soft dark metal ...	0	2	4				Soft dark blue metal	0	3	0			
Grey post ...	1	0	6				Soft grey metal, {	0	4	2½			
Soft grey metal ...	0	1	7				with scares of post {	1	5	1½			*
Hard white post, with							Strong white post,						
water ...	0	4	6				with much water ...	4	5	3			
Soft grey metal ...	0	1	7				Grey post ...	0	2	0			
Hard white post, with							Soft dark grey metal	0	1	4			
metal partings and							Dark grey metal, with						
water ...	11	2	0				coal ...	0	0	5			
COAL—Low Main							Soft grey metal thill	0	3	9			
Seam ...	0	2	2				Hard white post, with						
				15	3	6	metal partings ...	2	5	9			
							Dark blue metal, with						
Black slaty metal,							ironstone girdles and						
with scares of coal	0	0	3½				water ...	4	0	2			
Soft dark grey thill...	0	1	2				Hard white post, with						
Soft grey metal, with							whin girdles and						
ironstone balls ...	6	5	6				water ...	2	4	8			
Strong grey post ...	0	2	10				White and grey post						
Dark grey metal ...	0	0	10				with water ...	4	1	11			
COAL ...	0	0	2				Dark metal ...	0	0	9			
				7	4	9½	COAL, hard at top						
							and coarse—Harvey						
Strong grey metal,							Seam ...	0	2	0			
with ironstone gir-											25	3	3
dles ...	3	1	2										
Black metal, with							Grey metal thill ...	1	3	1			
scares of coal ...	0	4	3				Blue metal and iron-						
Strong grey metal,							stone girdles ...	2	2	10			
with threads of post	4	2	7				COAL ...	0	0	3			
											4	0	2
Carried forward	8	2	0	34	3	11½	Carried forward				72	5	3½

* Approximate sea level (Ordnance datum).

No. 1,145.—HETT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				72	5	3½	Brought forward	16	1	11½	72	5	3½
Dark metal ...	0	1	0				<i>Busty Seam</i> —						
Strong grey metal, with threads of post and water ...	9	3	7				COAL, good...	0	5½				
White post, with water	1	2	6				Black shale, with scares of coal ...	0	1¾				
Strong grey post, with water ...	3	2	9				COAL, good...	0	3½				
Grey metal, with thin ironstone girdles ...	1	4	1½				Grey metal shale	0	2¼				
							COAL, with danty part- ings ...	0	4				
							COAL, good...	0	6				
							Brown band ...	0	0½				
							COAL, good...	0	2½				
							COAL, rather danty ...	0	2				
							COAL, good...	1	10½				
									0	4	2½		
											17	0	2
Carried forward	16	1	11½	72	5	3½	Total ...				89	5	5½

No. 1,146.—HETTON-LE-HOLE.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

*Boring Account at Hetton-le-Hole, in the Second Field East from the Town.
Commenced September 1st, 1772 ; finished July 7th, 1773.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From the soil to the top of the sand sunk formerly ...	3	3	6				Brought forward	24	0	6			
Sand, with water ...	7	0	0				Grey and brown scamy post ...	0	3	0			
Gravel, with large whin tumblers ...	1	0	0				Grey and blue metal, with post girdles ...	3	1	6			
Brown leafy clay, mixed with sand ...	3	3	0				Blue metal ...	1	1	0			
Blue scamy clay ...	3	1	0				Black metal, mixed with coal ...	0	1	0			
Strong stony clay ...	1	4	6								29	1	0
Brown and grey post	0	2	4				Grey metal ...	0	1	6			
Clay, mixed with marl	0	1	0				Grey post, with metal partings and water	1	1	6			
Brown, grey, and blue marl ...	1	2	8				Whin ...	0	2	0			
Brown and grey post	0	1	0				Grey metal, with strong post girdles	1	3	0			
Grey, brown, and red scamy stone, with soft partings and whin girdles with water ...	1	5	6				Blue metal ...	0	4	6			
							COAL ...	0	1	2			
											4	1	8
Carried forward	24	0	6				Carried forward				33	2	8

No. 1,146.—HETTON-LE-HOLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				33	2	8		Brought forward			46	1	4
Grey metal, mixed								Grey thill ...	0	2	3		
with coal pipes ...	0	3	2					Grey metal ...	0	4	5		
Black metal ...	0	0	6					Black metal ...	0	1	8		
COAL ...	0	1	6					Grey and black metal	0	1	4		
				0	5	2		Grey metal stone ...	0	2	0		
Grey thill ...	0	0	9					Grey and white post	2	1	0		
Grey post, with metal								Strong white post ...	1	0	0		
partings and water	2	0	5					Whin ...	0	1	6		
White and grey post	0	3	0					Strong white post,					
Black stone ...	0	0	4					mixed with whin					
COAL, foul...	0	0	8					lumps and water ...	3	0	6		
				2	5	2		COAL ...	0	0	9		
Grey metal, with a											8	3	5
mixture of black								Grey thill ...	0	1	3		
stone ...	0	1	0					Grey metal stone ...	0	5	6		
Grey metal stone ...	0	4	0					Strong white post,					
Grey and white post,								mixed with whin ...	0	3	6		
with metal partings	4	0	0					Grey post, with metal					
Strong white post,								partings ...	0	4	6		
mixed with whin ...	0	2	0					Black stone, mixed					
Open gullets, with								with coal ...	0	0	7		
water ...	0	0	3					Grey and white post,					
White thready post ...	0	3	9					with metal partings					
White and grey metal,								and water ...	2	2	0		
with water ...	2	4	0								4	5	4
								Grey and blue metal,					
COAL ...	Ft.	In.						with whin girdles...	2	1	0		
Grey and black								Grey post ...	1	1	0		
stone ...	0	9						Whin ...	0	1	10		
COAL, foul...	0	9						White post ...	2	4	2		
COAL ...	1	6						In whin ...	0	0	4		
				0	3	4					6	2	4
				9	0	4							
Carried forward				46	1	4		Total ...			66	0	5

No. 1,147.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Bored in Hetton Estate. No. 1 Hole, South-east of the Village. April 22nd, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk :—								Brought forward	1	0	8		
Soil ...	0	2	0					Blue clay ...	0	1	0		
Dry gravel ...	0	4	8					Limestone ...	11	3	6		
											12	5	2
Carried forward	1	0	8					Carried forward			12	5	2

No. 1,147.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	5	2
<i>Bored :—</i>						
Limestone, with open parting and water...	2	1	6			
Limestone, with partings and open gullets ...	5	1	5			
Strong limestone, with girdles ...	3	0	10			
Blue metal, with partings and much water ...	0	4	6			
Marl, with sand in open gullets ...	0	2	4			
Limestone ...	0	1	8			
Grey metal ...	0	4	9			
Red sandstone ...	0	2	1			
Red sandstone, mixed with grey scares ...	1	2	10			
Grey metal, with hard lumps ...	2	0	9			
Black metal ...	0	1	9			
Blue metal ...	1	3	6			
Whin ...	0	1	0			
Blue metal ...	0	2	1			
Grey metal, with hard girdles or lumps ...	0	1	6			
Grey metal ...	1	3	1			
Black metal ...	0	0	4			
COAL, coarse ...	0	1	3			
				21	1	2
Grey metal, with hard girdles and water...	2	5	5			
	Ft.	In.				
COAL ...	1	3				
Grey metal ...	0	4½				
COAL, with scares ...	0	6				
COAL ...	1	10½				
				0	4	0
				3	3	5
Grey metal, with hard lumps ...	3	3	0			
Grey and white post, with whin and metal partings ...	0	4	8			
Strong white post and whin ...	2	0	10			
Whin ...	0	1	2			
White post ...	1	3	4			
Whin ...	0	0	4			
Dark grey metal and much water ...	0	0	2			
COAL ...	0	2	9			
				8	4	3
Grey metal ...	0	0	10			
White post ...	0	0	6			
Grey metal ...	0	1	4½			
Grey metal, with hard lumps ...	0	1	3			
Carried forward	0	3 11½	46	2	0	

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3 11½	46	2	0	
Dark grey metal, with water ...	0	1	3			
Dark grey metal, with coal pipes ...	0	0	10			
Strong grey metal, with girdles ...	0	5	1			
Strong grey metal and girdles ...	0	1	3			
Strong white post and whin ...	0	2	3½			
Whin ...	0	0	11½			
Strong white post, with whin...	0	2	0½			
				2	5	8
				49	1	8
<i>May 4th, 1796, bored further :—</i>						
Strong white post and whin ...	2	0	9			
Strong white post ...	1	3	3			
Strong white post, with whin and water ...	1	4	6			
COAL, foul...	0	0	8			
				5	3	2
Soft grey metal ...	0	2	0			
White post, with water	0	3	6			
Grey metal stone ...	0	3	4			
COAL, with sulphur and water ...	0	0	9			
				1	3	7
Grey metal ...	0	0	7			
Strong white post, with whin, and water near bottom ...	1	5	0			
Grey metal stone ...	0	3	6			
Soft black and blue metal, with girdles and catheads ...	1	4	6			
Grey metal ...	0	0	6			
Grey thready post and water ...	1	1	8			
Whin ...	0	1	0			
Grey and white post...	1	0	0			
Whin ...	0	0	6			
Grey and white post, with small partings near top and water	1	5	6			
Whin ...	0	0	4			
Strong white post ...	4	2	0			
COAL ...	0	0	3			
				13	1	4
Carried forward	69	3	9			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				69	3	9
Strong white post, with water ...	3	0	9			
Strong thready grey post and water ...	1	3	0			
Grey metal stone and hard girdles ...	1	5	9			
COAL ...	0	0	3			
Grey metal ...	0	1	3			
				6	5	0
	Ft.	In.				
COAL ...	1	1				
Black grey metal and coal ...	0	6				
COAL, splinty, with small danty bands ...	3	1				
Black grey metal ...	0	4				
COAL ...	0	6				
Black stone, with coal ...	0	2				
COAL ...	0	3				
				0	5	11
				0	5	11
Blue grey metal ...	0	1	0			
Grey metal stone, with girdles ...	5	4	0			
Black grey metal, with scares of coal ...	0	0	7			
COAL, coarse foul, and sulphur ...	0	1	0			
				6	0	7
Black metal and coal ...	0	0	7			
Grey metal stone ...	0	3	0			
Strong dunnish post...	0	0	6			
				0	4	1
(Stopped June 7th, 1747.)				84	1	4
January 7th, 1810, bored further:—						
Strong dunnish post...	0	3	8			
Grey metal stone, with strong post girdles on top ...	4	0	0			
Grey metal ...	0	0	5			
COAL, with sulphur near the top—Five-Quarter Seam ...	0	1	6			
				4	5	7
Dark grey metal, with scares of coal ...	0	1	1			
Grey metal, with girdles ...	1	2	1			
Hard whin girdles ...	0	0	8			
Grey metal girdles ...	5	3	4			
Carried forward	7	1	2	89	0	11

	Fs.	Ft.	In.	Fs.	Ft.	In.
Carried forward	7	1	2	89	0	11
Grey post, inclining to metal stone, with small feeder of water ...	0	3	7			
Bluish grey metal, inclining to post near the bottom ...	3	0	7			
Metal stone, with strong greyish post girdles ...	1	2	3			
Main Coal Seam—						
	Ft.	In.				
COAL ...	1	4				
Brass band..	0	2				
COAL ...	4	7				
				1	0	1
				13	1	8
Hard grey post and whin ...	0	0	5			
Whitish grey post ...	1	0	0			
Strong grey metal stone ...	2	2	6			
Black metal ...	0	1	0			
Grey metal, with girdles ...	0	5	6			
Grey post, inclining to metal stone ...	1	2	6			
Strong grey and white post ...	2	3	0			
Grey metal stone ...	1	0	0			
COAL, with a little sulphur ...	0	1	3			
				9	4	2
Grey metal and small scares of coal ...	0	0	7			
Grey metal stone ...	0	4	5			
COAL, rather foul...	0	0	4			
				0	5	4
Grey metal ...	0	1	6			
Grey metal stone, with ironstone girdles ...	0	3	6			
				0	5	0
Total ...				113	5	1
The rods measured, Nov. 5th, 1810 ...				113	5	10

No. 1,148.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 2 Hole bored in the Hetton Estate, in a Plantation in Mr. James' Grounds.
November 8th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	10	0	6			
Brown clay	0	5	0				Sandy gravel	0	3	0			
Blue stony clay	2	1	0				Sand	1	1	6			
Blue swelling clay, mixed with sand	1	0	0				Blue sandy clay and sand, with a small mixture of clay	4	1	0			
Sandy clay	1	5	0				Stony clay	1	3	0			
Sand, with water	3	0	0								17	3	0
Blue stony clay	1	0	0										
Carried forward	10	0	6				Total				17	3	0

No. 1,149.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 3 Hole bored in Hetton Estate, about 5 yards South from the second place.
December 20th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Brown clay	0	5	0			
Blue stony clay	2	1	0			
Blue swelling clay, mixed with sand	1	0	0			
Sandy clay	1	5	0			
In sand, with water	2	5	6			
				9	0	0
Total				9	0	0

No. 1,150.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 4 Hole bored in Hetton Estate, about 54 yards West from No. 2 Hole.
December 27th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	2	1	6			
Brown stony clay ...	0	3	0				Stony clay	1	4	0			
Sand and gravel, with							Sandy clay	1	1	0			
water	0	3	0				Sand, with water ...	4	3	6			
Blue stony clay ...	0	2	0				Stony clay	1	3	0			
Gravel and sand, with											11	1	0
water	0	4	0										
Carried forward	2	1	6				Total				11	1	0

No. 1,151.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

No. 5 Hole bored in the Hetton Estate, about 20 yards East from No. 2 Hole.
January 16th, 1811.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	13	4	6			
Stony clay	2	2	0				Leafy clay, mixed						
Leafy clay, with scares							with sand	1	1	0			
of sand	0	4	0				Blue stony clay ...	4	5	9			
Sand, with a small											19	5	3
mixture of clay ...	1	3	6				Blue grey metal ...	1	1	0			
Sand, with water ...	4	0	0				Black metal	0	0	3			
Stony clay	0	1	6				COAL	0	2	5			
Gravel	0	3	0								1	3	8
Blue leafy clay ...	1	1	6				Grey metal	0	4	4			
Blue stony clay ...	0	3	0				Dark grey metal with						
Blue leafy clay ...	0	3	0				hard girdles or cat-						
Blue stony clay ...	0	3	0				heads	0	4	4			
Blue leafy clay ...	0	3	0				Black —	0	2	0			
Blue stony clay ...	0	2	0				Grey metal	1	0	8			
Gravel	0	4	0				COAL	0	0	4			
Carried forward	13	4	6								2	5	8
							Carried forward				24	2	7

No. 1,151.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				24	2	7		Brought forward	3	4	1	28	4	11
Grey metal and metal								COAL ...	0	0	8			
stone, with girdles	4	0	5					Dark grey metal,						
COAL ...	0	1	4					mixed with <i>coal</i> ...	0	0	4			
Grey metal, scared								White post and set						
with <i>coal</i> ...	0	0	7					away the water at						
				4	2	4		33 fathoms 1 yard						
Grey scared post ...	1	2	9					at a gullet... ..	1	2	0			
Stony white post ...	2	1	4									5	1	1
Carried forward	3	4	1	28	4	11		Total ...				34	0	0

No. 1,152.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 6 Hole bored in the Hetton Estate, about 44 yards South of No. 5 Hole.
April 15th, 1811.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0			
Stony clay ...	2	2	0			
Sand and water ...	6	5	0			
Gravel ...	0	3	6			
				9	5	6
Total ...				9	5	6

No. 1,153.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 7 Hole bored in the Hetton Estate, about 5 yards South from No. 3 Hole.
April 19th, 1811.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	4	0	6			
Brown stony clay ...	0	3	0				Sand, with water ...	5	1	0			
Blue stony clay ...	2	2	0				Stony clay	0	1	6			
Blue leafy clay, mixed							Gravel, with water ...	1	0	0			
with sand	1	0	0										
Carried forward	4	0	6				Carried forward	10	3	0			

No. 1,154.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	0				Brought forward	7	3	10	44	5	4
Yellow limestone of various descriptions	15	5	6				Three-Quarter Seam—						
Limestone of a blue grey colour, called the “blue rag” in these flags near the bottom	7	2	2				COAL, wet	0	2	4			
(N.B.—The water increased regular from the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.)							Drift to Minor Pit.				8	0	2
Blue metal	0	5	2				Sill stone	0	1	6			
Very soft sandstone (stratified) and was drawn by the pumps	0	4	4				White post	0	2	3			
Very soft white post	0	1	2				Grey metal	1	2	5			
Grey scamy metal stone, and where the first three wedging cribs were laid	0	0	9				Strong white post, and water in several places, which is wedged off and piped into the 3/4 Coal Seam	0	0	4			
Strong brown limestone, like whin	1	2	8					6	2	11			*
Blue grey metal, very soft, with a little water	5	2	3				Grey metal stone	0	2	8			
COAL, mixed with black metal, and the last wedging crib laid on the grey metal below it	0	1	4				COAL, mixed with black metal	0	1	6			
				38	4	4					9	1	7
Grey metal stone	0	4	8				Sill stone	0	0	8			
Blue metal	1	3	0				White post	0	2	5			
COAL, mixed with black metal	0	1	9				Grey metal	0	2	2			
				2	3	5	Post girdles	0	1	4			
Grey metal stone, with partings and water	2	5	10				Grey metal	0	0	6			
COAL							COAL	0	0	10			
Grey metal	0	4									1	1	11
COAL, mixed with black metal	0	7					Sill stone	0	0	3			
COAL	1	10					Grey metal stone	0	0	10			
				0	3	9	White post, with partings at 8 feet down, and wedged	1	4	2			
Drift through to the Minor Pit.				3	3	7	Grey metal stone, inclining to post	0	2	9			
Grey metal stone or sill	0	1	4				Soft black and blue metal	1	5	10			
Grey metal stone, with partings	4	0	10				COAL and a drift through to Minor Pit	0	0	3			
Strong white post, with water near bottom and spongy	3	1	8								4	2	1
Carried forward	7	3	10	44	5	4	Sill stone	0	1	3			
							White post	1	1	9			
							Grey and white post, mixed with grey metal	1	5	2			
							Whin	0	3	7			
							White post and partings of blue metal, and water wedged off	0	2	10			
							Strong white post, with a parting at bottom and water	1	4	6			
							Strong white post, spongy, and partings with water	4	5	11			
							Grey and white post and water, wedged off and piped up to the third standing sett cistern	3	1	3			
							Carried forward	14	2	3	67	5	1

No. 1,154.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	2	3	67	5	1	Brought forward	0	2	6	90	1	7
Grey metal stone ...	0	4	6				Strong grey metal stone, with strong dunnish post girdles	3	1	10			
COAL ...	0	4					Grey metal ...	1	0	8			
Grey metal ...	1	0					Five-Quarter Seam—						
COAL ...	1	3					COAL ...	1	7				
Band ...	0	5					Black metal, with scares of coal ...	0	6				
COAL ...	3	2					Dark grey metal ...	4	4				
Band ...	0	4					COAL ...	0	5				
COAL, mixed with black metal ...	0	11						1	0	10			
			1	1	5					5	5	10	
				16	2	2	Grey metal stone, with post girdles ...	5	4	6			
Thill ...	0	1	8				Grey post ...	0	4	10			
Grey metal stone, with large balls of iron-stone ...	1	2	4				Blue and grey metal stone ...	3	5	9			
Strong grey metal stone, with girdles	3	3	9				Blue and grey metal stone, with strong girdles ...	1	5	3			
Black metal, with scares of coal ...	0	0	9				Main Coal Seam—						
COAL ...	1	2					COAL, top..	1	8				
Black grey metal, with scares of coal	2	8					Band ...	0	1				
			0	3	10		COAL ...	4	9				
				6	0	4		1	0	6			
Grey metal stone, with balls of ironstone...	0	2	6							13	2	10	
							Depth of the sump ...			4	3	0	
Carried forward	0	2	6	90	1	7	Total ...			114	1	3	

No. 1,155.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. About Lat. 54° 49' 1", Long. 1° 26' 27".

An Admeasurement of the Minor Pit to the Main Coal Seam, and Strata sunk through from there to the Hutton Seam. Begun December 23rd, 1820; finished January 6th, 1823.

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Total depth of the Minor Pit to the thill of the Main Coal Seam, sunk through various strata similar to those specified in the Blossom Pit sinking account ...							Brought forward				108	4	1
							White post ...	0	0	8			
							Grey and white post...	1	5	0			
							Black metal stone ...	0	1	4			
							Blue metal, with iron-stone girdles ...	1	2	4			
							Black metal ...	0	1	4			
Carried forward				108	4	1	Carried forward	3	4	8	108	4	1

No. 1,155.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	8	108	4	1
Grey metal stone ...	0	2	10			
COAL ...	0	0	5			
				4	1	11
Strong grey metal stone ...	0	2	0			
Grey and white post...	4	3	9			
Grey metal ...	1	3	2			
<i>Maudlin Seam—</i>						
	Ft.	In.				
COAL ...	1	2				
Grey metal	3	9				
COAL ...	0	4				
			0	5	3	
				7	2	2
Grey metal ...	0	4	2			
Blue metal ...	0	4	0			
Grey metal ...	1	5	6			
Blue metal, with coal pipes ...	0	3	8			
Strong grey post ...	0	5	8			
Strong grey post, with strong girdles ...	0	5	2			
Whin ...	0	3	0			
Soft grey metal ...	2	5	8			
COAL — <i>Low Main Seam</i> ...	0	4	1			
				9	4	11
White post ...	2	0	6			
Whin ...	0	2	2			
Carried forward	2	2	8	130	1	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	8	130	1	1
Grey metal, with post girdles ...	2	0	10			
Black and blue metal stone ...	1	0	0			
COAL (commonly called splint coal)...	0	1	0			
Grey metal, with post girdles ...	0	5	11			
COAL ...	0	4				
Band ...	0	1 ³ / ₄				
COAL ...	0	7				
			0	1	0 ³ / ₄	
				6	5	5 ³ / ₄
Thill ...	0	4	0			
Strong grey metal ...	1	2	0			
Grey post ...	1	2	4			
Black metal ...	0	3	0			
Blue metal, with post girdles ...	0	1	4			
Strong white post ...	4	0	0			
Grey metal and post girdles ...	1	1	0			
<i>Hutton Seam—</i>						
	Ft.	In.				
COAL ...	4	7 ¹ / ₂				
Band ...	0	3 ¹ / ₂				
COAL , bottom (coarse)	1	3				
			1	0	2	
				10	1	10
Depth of sump ...				3	2	0
Total ...				150	4	4 ³ / ₄

REMARKS.

	Fs.	Ft.	In.	Fs.	Ft.	In.
From the settle boards to the bottom of the walling in the						
Blossom Pit ...	6	3	0			
From thence to the top of the cast iron tubbing ...	4	5	6			
				11	2	6
From the top of the tubbing to the first wedging crib ...	20	1	7			
From the first to the second wedging crib ...	1	5	9			
From the second to the third wedging crib ...	5	0	6			
				27	1	10
Total ...				38	4	4
Length of the high set of pumps which deliver the water						
into a delivery drift about 1 fathom from the surface						
with a 22-inch working barrel ...	40	0	0			
Length of the second set, 12-inch working barrel ...	36	0	0			
Do. third set, 11 inch do. ...	32	3	0			
Do. fourth set, 8-inch do. ...	36	0	0			
				144	3	0
Total ...				144	3	0

No. 1,155.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Length of the iron tubing in the Minor Pit to stop the limestone feeders of water	25	3	9			
Length of the iron tubing at the depth of near 80 fathoms, to stop the feeders of water at the different partings in the grey and white post	5	4	0			
				31	1	9
Total				31	1	9

No. 1,156.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

First Hole bored at Hetton, in the High Downs Estate. July 13th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Gravel and sand	1	5	6			
Sand, with water	0	1	6			
Sand and gravel, with tumblers and mixed coal ...	0	3	9			
Stony clay	0	2	3			
				3	2	0
Total				3	2	0

No. 1,157.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Second Hole, about 80 yards West from the first. July 22nd, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	4	0				Brought forward	4	2	6			
Yellow stony clay ...	0	3	6				Sandy clay, gravelly near the bottom ...	0	3	6			
Brown stony clay, mixed with soil and sand, and a spring of water near the bottom	1	1	6				Strong clay, with scares of sand in some places ...	4	4	6			
Blue sandy clay, with water	0	1	6				Gravel	0	0	6			
Blue sandy clay ...	0	5	6				Soft sandy brown post	6	2	6	16	1	6
Sand and gravel, with water	0	4	6										
Carried forward	4	2	6				Total				16	1	6

No. 1,158.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Third Hole, about 13 yards West from the second. August 24th, 1824.
Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	4	9				Brought forward	36	5	6			
Yellow stony clay, with tumblers and water	0	4	6				Dark grey metal, scared with coal ...	0	2	9			
Brown stony clay, with scares of sand ...	3	2	9				Red metal	0	2	6			
Sand, with water ...	0	0	6				Yellowish brown sandy limestone	0	4	0			
Stony clay, with tumblers	7	0	3				Red metal stone ...	1	4	0			
Soft sandy post, mixed with gravelly limestone	1	3	0				Whitish brown post...	0	2	0			
Soft sandy brown post	7	5	0				Red and white scared post, with partings of brown and yellow	5	1	0			
Soft grey, brown, yellow and blue confused metal ...	1	2	0				Brown post	1	3	3			
Red metal, scared with brown and soft partings	4	2	0				Black metal, with a scare of coal at top	0	0	8			
Reddish brown metal	0	5	0				Grey metal	0	0	8			
Blue metal, with thin girdles near the bottom	7	5	0				Black metal, with bands of coal ...	0	4	6			
Black metal stone, mixed with coal ...	0	3	9								48	0	10
Grey metal	0	3	0				Grey metal and metal stone, with girdles	3	3	9			
Carried forward	36	5	6				COAL	0	2	4			
											4	0	1
							Grey metal	0	1	0			
							Grey metal stone ...	0	1	7			
											0	2	7
							Total				52	3	6

No. 1,159.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of a Boring at Heworth Shore, about 150 yards from the Staith on the West side of the Wagonway. December 26th, 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold, about	8	5	6				Brought forward	17	1	6			
Box	1	1	0				Grey and brown metal	0	4	0			
Brown post	7	0	6				Brown post	0	1	2			
A soft yellow parting	0	0	6				Soft brown ramble ...	0	1	0			
Carried forward	17	1	6				Blue metal	0	1	6			
							Carried forward	18	3	2			

No. 1,159.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	3	2				Brought forward	8	4	0	40	3	0
Grey metal stone, with post girdles ...	2	4	0				Soft black metal ...	0	0	4			
Brown and grey post, and set away the water ...	0	1	6				COAL ...	0	1	6			
Grey metal stone ...	0	0	9								8	5	10
Brown and grey post ...	0	4	0				Grey metal stone ...	0	5	9			
Grey metal stone ...	0	3	7				COAL ...	Ft. In. 0 7					
Blue metal ...	0	0	6				Black grey metal ...	0	10				
Blue metal, scared with coal ...	0	0	9				COAL ...	0 4					
COAL ...	Ft. In. 0 6								0 1 9				
Blue metal ...	0 3									1 1 6			
COAL ...	0 6						Grey metal stone ...	0 3 0					
	— —	0 1 3		23	1	6	Whin ...	0 0 6					
Grey metal ...	0 4 0						Grey metal stone, with girdles ...	1 3 0					
(Lowered the scaffold 1 fathom.)							Strong white post, with a mixture of whin girdles and water...	3 4 0					
Grey metal, with gir- dles ...	7 3 9						Blue grey metal stone with post girdles ...	2 4 6					
White thready post, with water ...	0 2 6						Grey scamy post ...	0 4 0					
Grey metal ...	0 4 0						Whin mixture, with water ...	0 1 6					
White thready post...	0 2 9						Grey girdly stone ...	4 2 0					
Grey metal ...	0 1 0						Black metal, with scars of coal at bottom ...	2 4 0					
COAL ...	0 0 4			10	0	4	Strong white post ...	4 3 0					
Black grey metal stone, with girdles or lumps ...	2 3 0						Whin, mixed with strong white post...	6 3 0					
Strong white post, mixed with whin...	0 1 8						COAL pipe ...	0 0 3					
Blue grey metal and metal stone, with post and a mixture of white girdles ...	2 4 6						Strong white post, mixed with whin ...	0 5 0					
Black stone, with a mixture of <i>foul</i> <i>splinty coal</i> ...	0 1 6						COAL ...	0 0 7					
Black metal, scared with coal ...	0 0 10						Strong white post ...	0 2 6					
Grey metal stone ...	1 0 0						Grey metal stone ...	0 1 0					
COAL ...	0 1 8			7	1	2	Blue grey metal ...	0 0 4			29	0	2
Grey metal ...	0 2 0						COAL ...	0 1 8					
Grey scamy post ...	0 1 6						Soft black danty me- tal, mixed with coal	0 0 2					
White post ...	0 1 0						Blue grey metal ...	0 0 11					
Black metal ...	0 5 9						COAL ...	0 3 9					
Grey metal ...	1 4 3						Grey metal ...	0 0 7					
A hard girdle ...	0 0 4						COAL , but rather coarse ...	0 1 0					
Black metal ...	0 2 0						Blue metal, mixed with coal ...	0 0 1					
Grey metal ...	1 3 8						COAL , hard slaty ...	0 1 4					
Whin ...	0 2 3						COAL , foul slaty, with hard girdle or brass lump in middle	0 0 6			1	4	0
White post, with water ...	2 3 0										0	1	3
Strong white post ...	0 2 0						In grey metal ...						
Blue grey metal ...	0 0 3												
Carried forward	8	4	0	40	3	0	Total ...				81	3	9
							Mar. 1st, 1766.—Rods measured ...				71	5	6
							Sunk ...				8	5	6
							Total ...				80	5	0

No. 1,160.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

*Account of the Boring on the High Heworth Estate, about yards to the from
Boghouse. May 28th, 1764.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	2	0				Brought forward	3	0	6	22	3	6
Soft grey and blue metal, with water...	2	4	0				White and grey post	0	4	6			
Soft black metal ...	0	0	9				Grey metal stone ...	0	3	6			
COAL , mixed							Black and grey metal	0	1	0			
with black							Black stone, mixed						
metal ...	0	8					with coal ...	0	1	6			
COAL ...	0	6					Blue metal ...	0	0	4			
COAL , with a							Black stone, mixed						
mixture of							with coal ...	0	0	11			
black stone...	0	6					COAL ...	0	1	0			
	—	—	0	1	8						5	1	3
				4	2	5	Grey metal ...	0	2	0			
Grey metal and metal							Grey and white post...	1	4	0			
stone ...	5	5	6				Blue metal ...	0	3	0			
COAL , foul ...	0	0	9				Black metal, mixed						
				6	0	3	with coal ...	0	1	10			
Grey metal ...	2	3	4				Grey metal ...	0	4	8			
COAL ...	0	1	0				Strong white post,	2	5	0			
				2	4	4	with metal partings	0	1	3			
Soft grey metal ...	0	1	0				Whin ...						
Grey scamy post ...	0	3	0				Strong white post with						
Strong white post ...	1	3	0				whin girdles and						
Grey metal, with gir-	7	0	0				water ...	12	1	9			
dles ...	0	1	6				COAL , foul ...	0	1	0			
COAL ...				9	2	6					19	0	6
Grey metal, with gir-	0	1	6				Soft blue and grey						
dles ...							metal, with scares						
Grey post, with part-	0	4	6				of coal near the bot-				2	3	0
ings ...	2	0	6				tom ...						
Grey metal stone ...													
Carried forward	3	0	6	22	3	6	Total ...				49	2	3

No. 1,163.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	3	0	12	0	10
White post, with whin balls	0	2	0			
White post, with part-ings	0	5	0			
Blue metal	2	1	4			
COAL	0	0	2	13	5	6
Thill	0	3	6			
Blue metal	5	0	9			
COAL	0	0	4	5	4	7
Thill	0	2	2			
Scamy post and post girdles	1	3	0			
Whin	0	2	3			
Post, with thin part-ings	0	3	4			
Blue metal	0	5	8			
COAL	0	0	4	3	4	9
Thill	0	2	0			
Black slate	0	1	10			
Thill	0	4	0			
Grey metal and post girdles	1	4	0			
Grey post	0	1	6			
Blue metal stone	2	3	0			
Black stone	0	4	10			
COAL	0	1	6	6	4	8
Thill	0	2	0			
Black stone	0	3	0			
COAL	0	0	1	0	5	1
Thill	0	2	10			
Grey metal	1	0	6			
Post girdles	0	2	0			
Grey metal	0	3	6			
Whin	0	1	4			
Blue metal	1	1	9			
COAL	0	0	5	4	0	4
Thill	0	1	6			
Blue stone	0	1	3			
Post girdles	0	1	4			
Whin	0	0	9			
Grey metal	0	2	0			
Scamy post	0	1	3			
Whin	0	1	0			
Post	0	2	0			
Blue metal	0	5	0			
Ridding stone	0	0	7			
COAL	0	0	9	2	5	5
Black metal	0	2	9			
Thill	0	1	8			
Carried forward	0	4	5	50	1	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	5	50	1	2
Scamy post	0	2	0			
Blue stone	0	0	9			
COAL	0	0	8	1	1	10
Black stone	0	2	2			
COAL	0	0	3			
Thill	0	2	3			
Blue stone	2	5	4			
COAL	0	0	3	3	4	3
Thill	0	1	0			
Grey metal	0	4	0			
Grey metal and post	3	1	0			
Blue stone	0	3	8			
Scamy post	1	4	4			
Blue stone	2	1	9			
	0	0	9			*
Grey metal and post girdles	3	5	10			
Post—Main Post	7	0	6			
Soft grey metal and girdles	0	5	6			
Grey post	1	5	8			
White post, mixed with metal	1	4	0			
Grey metal	0	3	2			
Black stone	0	0	2			
High Main Seam—						
	Ft.	In.				
COAL	0	4				
Brown metal	0	2				
COAL	2	10				
COAL, coarse	0	4				
Grey metal band	1	3				
COAL	2	2				
COAL, coarse, and slaty..	0	11				
	1	2	0	26	1	4
Thill	0	1	10			
Black stone	0	4	11			
Blue stone	0	4	6			
Black stone	0	4	0			
Blue stone	1	2	4			
Grey metal stone	0	5	9			
Blue stone	1	0	0			
Metal Coal Seam—						
	Ft.	In.				
COAL	0	6				
Brown band	0	11				
COAL	2	6				
	0	3	11	6	3	3
Thill	0	1	4			
Grey metal stone	2	1	0			
Black stone	0	1	4			
Carried forward	2	3	8	87	5	10

* Approximate sea level (Ordnance datum).

No. 1,163.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	8	87	5	10
Black stone and post girdles ...	0	5	2			
Black stone ...	0	1	6			
COAL — <i>Stone Coal Seam</i> ...	0	1	1			
				3	5	5
Thill ...	0	2	11			
Grey metal and post girdles ...	0	2	9			
Grey metal ...	1	1	2			
COAL ...	0	1	0			
				2	1	10
Thill ...	0	1	4			
Blue stone ...	3	1	10			
Black stone ...	0	1	0			
Splint ...	0	0	8			
COAL ...	0	0	8			
				3	5	6
Grey metal, with balls of whin ...	2	4	0			
Grey metal, rather hard ...	0	2	11			
Scamy post, with layers of metal ...	2	0	2			
Whin ...	0	0	10			
Scamy post ...	1	0	8			
Whin ...	0	1	1			
Grey scamy post, with thin layers of metal	1	1	3			
Whin ...	0	1	0			
<i>Yard Seam</i> —	Ft.	In.				
COAL , bright, but tender ...	0	10½				
Grey metal band	0	1½				
COAL , coarse and scamy ...	2	4¼				
				0	3	4¼
				8	3	3¼
Thill ...	0	2	9			
Grey post ...	0	2	8			
Blue stone ...	2	1	4			
Black stone ...	0	4	9			
Grey metal, with iron-stone balls ...	2	1	2			
Grey metal, with post girdles ...	1	0	8			
Whin ...	0	1	4			
Grey metal, with post girdles ...	0	4	1			
Whin ...	0	0	8			
Grey metal, with post girdles ...	0	5	4			
White post ...	0	1	8			
Grey metal, with whin girdles ...	0	2	4			
Blue stone ...	0	3	0			
Carried forward	10	1	9	106	3	10¼

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	9	106	3	10¼
<i>Bensham Seam</i> —						
COAL ...	Ft.	In.				
Band ...	0	1				
COAL ...	1	1½				
Band ...	1	10½				
COAL ...	1	5				
Band ...	0	0¾				
COAL ...	0	6¼				
				1	0	7½
				11	2	4½
Thill ...	0	2	5			
Blue metal ...	2	0	0			
COAL ...	Ft.	In.				
Band ...	0	2				
COAL ...	0	3				
COAL ...	0	11				
Thill ...	1	0				
				0	2	4
				2	3	9
Grey metal stone ...	1	2	9			
Post, mixed with whin	0	1	7			
Grey metal, with thin post girdles ...	0	4	7			
White post ...	0	5	6			
Black stone ...	0	0	2			
<i>Six-Quarter Seam</i> —						
COAL ...	Ft.	In.				
Brown slaty band ...	0	10				
COAL ...	1	3½				
Splint ...	0	5				
Thill ...	0	6				
				0	3	9½
				4	1	4½
Post ...	0	1	6			
Blue stone ...	2	4	5			
<i>Five-Quarter Seam</i> —						
COAL ...	Ft.	In.				
Splint ...	0	3				
COAL ...	0	11				
				0	3	0½
				3	2	11½
Thill ...	0	1	2			
Strong grey metal stone	0	4	2			
Strong grey post, mixed with whin ...	0	3	7			
Blue stone ...	1	2	2			
COAL ...	0	0	2			
				2	5	3
Thill ...	0	0	10			
Blue stone ...	0	2	0			
Post girdles, mixed with water ...	0	2	0			
Black stone ...	0	0	7			
Thin post girdles, mixed with metal...	0	3	6			
Blue stone ...	0	3	0			
Carried forward	1	5	11	131	1	6¾

No. 1,163.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	11	13	1	6 ³ / ₄	Brought forward	2	0	0	14	1	4
Post girdles ...	0	0	9				Whin girdles ...	0	1	9			
Blue stone ...	0	3	2				Strong white post ...	1	2	9			
Post girdles ...	0	0	10				Blue metal ...	0	1	3			
Blue stone ...	0	3	4				COAL ...	0	1	3			
Post girdles and metal											4	1	0
partings ...	0	3	2				Dark grey post ...	3	0	9			
Grey post, mixed with							White post, inclined						
whin ...	0	5	0				to whin ...	1	3	6			
Blue stone ...	0	0	5				Strong grey post ...	0	4	3			
Strong white post ...	0	4	0				White post ...	1	0	4			
Blue metal stone ...	0	4	5				Fire clay ...	0	5	6			
Low Main on Tyne,							Blue metal, with iron						
Hutton Seam on							girdles ...	1	2	0			
Wear (now working							Strong fire clay ...	0	3	0			
1843)—	Ft.	In.					COAL ...	0	0	3			
COAL , coarse											9	1	7
and splint ...	0	3 ¹ / ₂					Blue metal, with coal						
COAL , fine..	4	1 ¹ / ₂					pipes ...						
COAL , bot-							Grey post, with whin						
tom ...	0	9					girdles ...				5	2	8
			0	5	2		Strong grey post ...						
						7	White post, inclined						
Thill stone ...	0	0	10				to whin ...						
Strong grey post ...	1	1	5				Strong white post ...						
Grey metal, with thin							Beaumont Seam—						
girdles ...	0	1	3				COAL ...	Ft.	In.				
Strong grey post ...	0	5	10					1	11				
Black stone ...	0	0	5				Fire clay band	0	11				
Thill ...	0	1	9				COAL ...	0	9				
Blue stone ...	0	3	0							0	3	7	
				3	2	6							6
Strata sunk through							Fire clay ...	0	2	1			
in deepening shaft							Mixed grey post ...	3	5	0			
to Beaumont Seam,							White post ...	1	4	0			
1875-76:—							COAL , with bands...	0	2	3			
Blue metal ...	1	2	0								6	1	4
Grey shale post ...	0	4	0										
Carried forward	2	0	0	14	1	4	Total ...				167	2	4 ³ / ₄

No. 1,164.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Bored in the Third Pit at Heworth, about 300 yards to the Northward from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Fs.	In.	Ft.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				3	0	0	Brought forward	6	2	0	3	0	0
Box ...	5	0	0				Black metal ...	0	1	0			
Blue grey metal ...	1	2	0										
Carried forward	6	2	0	3	0	0	Carried forward	6	3	0	3	0	0

No. 1,165.—HOLBORN.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			6	5	10				Brought forward			4	4	5	17	4	1
Soft grey metal	...	...	0	1	3				COAL	...	Ft. In.	1	0 $\frac{1}{2}$				
Yellow stone	...	...	0	2	11				Band	...	...	0	2				
White post	...	...	0	1	4				COAL	...	...	1	7				
Grey metal	...	...	0	1	6							0	2	9 $\frac{1}{2}$			
White post	...	...	0	3	3										5	1	2 $\frac{1}{2}$
Blue stone parting	...	...	0	0	4				Seggar clay	...	...	0	1	6			
White post	...	...	0	1	7				Post	...	...	0	0	4			
Parting	...	...	0	0	1				Grey metal	...	...	0	1	0			
White post	...	...	0	4	4				Blue metal	...	...	0	0	6			
Parting	...	...	0	0	2				COAL	...	...	0	0	1			
White post	...	...	0	5	7										0	3	5
COAL (Oct. 12th, 1840)	...	...	0	1	8				Seggar clay	...	...	0	1	5			
			4	0	0				Blue metal	...	...	0	2	0			
Seggar clay	...	...	0	3	4				Post girdle	...	...	0	0	2			
Grey metal	...	...	1	1	8				Blue metal	...	...	0	2	5			
COAL	...	...	0	0	3				Grey metal	...	...	0	3	9			
			1	5	3				Parting	...	...	0	0	1			
Thill	...	...	0	1	1				Grey metal	...	...	0	2	10			
Grey metal	...	...	0	3	9				COAL	...	Ft. In.	0	10 $\frac{1}{2}$				
Hard metal	...	...	0	1	3				Band	...	...	0	3				
Blue stone and post girdles	...	...	0	5	1				COAL	...	...	1	2				
White post	...	...	0	1	8							0	2	3 $\frac{1}{2}$			
Hard post	...	...	0	0	4										2	2	11 $\frac{1}{2}$
Parting	...	...	0	0	1				Thill	...	...	0	2	1			
White post	...	...	0	2	10				Grey post	...	...	0	4	6			
Parting	...	...	0	0	1				White post	...	...	0	3	0			
White post	...	...	0	2	4				Grey post	...	...	0	3	6			
Soft post	...	...	0	0	4				Grey metal	...	...	1	0	10			
Grey metal	...	...	0	3	4				Blue metal and post girdles (Oct. 31st, 1840)	...	...	1	0	2			
Soft post	...	...	0	0	3				Grey metal	...	...	0	1	0			
Hard post	...	...	0	1	1				Grey metal and post girdles	...	...	0	3	5			
Blue metal	...	...	0	3	9				White post	...	...	1	2	3			
COAL (Oct. 17th, 1840)	...	...	0	1	9				White post, with partings (Nov. 5th, 1840)	...	...	0	3	6			
			4	5	0				Strong white post	...	...	1	1	9			
Thill	...	...	0	1	4				White post	...	...	0	2	0			
Grey post	...	...	0	1	0				Blue parting...	...	...	0	0	2			
White post	...	...	0	2	9				White post	...	...	1	1	2			
Hard post	...	...	0	0	6				Blue metal	...	...	0	2	8			
Grey metal	...	...	0	4	5				COAL , with appearance of splint at bottom (2 feet 7 inches into coal Nov. 7th, when rods got fast; loosened Nov. 19th)	...	...	0	3	4			
White post	...	...	0	0	6										10	5	4
Whin	...	...	0	0	6				Grey thill	...	...	0	1	0			
White post	...	...	0	1	3				Blue metal and grey post girdles	...	...	0	3	0			
Grey metal (Oct. 21st, 1840)	...	...	0	4	7				Blue metal	...	...	0	2	5			
White post	...	...	0	0	6				Whin girdle	...	...	0	0	2			
Grey whin	...	...	0	0	7												
White post	...	...	0	1	8												
Grey post	...	...	0	1	8												
White post	...	...	0	0	2												
Grey post	...	...	0	1	3												
Blue parting...	...	...	0	0	1												
White post	...	...	0	2	8												
Grey metal	...	...	0	2	0												
Blue metal	...	...	0	1	0												
Carried forward			4	4	5	17	4	1	Carried forward			1	0	7	36	5	0

No. 1,165.—HOLBORN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	7	36	5	0	Brought forward	5	0	11	36	5	0
Blue metal ...	0	0	7				White post ...	0	1	7			
Grey metal ...	0	2	5				White post (Nov. 28th,						
White post ...	0	0	4				1840) ...	0	0	6			
Grey metal and post							Parting ...	0	0	2			
girdles ...	0	2	10				Whin ...	0	1	5			
Grey metal ...	0	0	7				Grey metal, with post						
Post girdles ...	0	0	4				girdles and water ...	0	2	4			
Grey girdle ...	0	1	6				White post, with water	0	3	6			
Grey stone parting ...	0	0	4				Parting ...	0	0	2			
White post (Nov. 25th,							White post ...	0	1	4			
1840) ...	0	4	3				White post (Dec. 2nd,						
Grey metal ...	0	0	10				1840) ...	0	2	2			
Grey metal and post							Blue parting ...	0	0	4			
girdles ...	0	2	2				Blue stone, with thin						
Grey metal ...	0	0	6				girdles ...	0	4	5			
Post ...	0	0	4				Blue stone ...	0	0	3			
Parting ...	0	0	3				COAL ...	0	1	0			
Post ...	0	0	11								8	2	1
Grey metal ...	0	0	8				Seggar clay ...	0	0	7			
White post ...	0	4	6				Grey metal, with post						
Parting ...	0	0	1				girdles ...	0	4	0			
White post ...	0	0	10								0	4	7
Parting ...	0	0	1										
Carried forward	5	0	11	36	5	0	Total ...				45	5	8

No. 1,166.—HOLBORN.

TOWNSHIP OF HOLBORN, DURHAM.

Sheet 15 of Ordnance Map. Lat. , Long.

Account of Strata bored through in Holborn Grange, below West Hedge, by Thomas Wake. May, 1696.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow post ...	1	3	0				Brought forward	9	3	6	2	4	8
Brown metal ...	0	5	3				Yellow post, with						
COAL ...	0	0	8				water ...	0	4	6			
				2	2	11	COAL ...	0	0	6			
Grey thill ...	0	0	3								10	2	6
COAL—Ruler Coal	0	1	6				Blue stone, with post						
				0	1	9	girdles ...	2	4	6			
Grey thill ...	0	3	0				Soft metal, mixed with						
Brown post ...	3	0	0				coal ...	0	0	9			
Yellow post, with							Blue stone, with much						
water ...	1	1	6				water ...	1	1	6			
Grey stone ...	2	0	0				Strong white post,						
Black metal stone ...	0	2	0				with much water ...	4	4	6			
Grey metal stone ...	0	3	0				Blue stone ...	1	1	6			
Grey metal and post							COAL—Towneley						
girdles ...	2	0	0				Seam ...	0	4	1			
											10	4	10
Carried forward	9	3	6	2	4	8	Total ...				24	0	0

No. 1,167.—HOLBURN.

TOWNSHIP OF HOLBURN, NORTHUMBERLAND.

Sheet 15 of Ordnance Map. Lat. 55° 37' 30", Long. 1° 54' 23".

Section of the Pit at Holburn, sunk near the Old Windmill Shaft, just within Holburn Property. August, 1860.

Approximate surface level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone ...	6	0	0				Brought forward	11	3	0			
Blue metal shale ...	1	1	0				Limestone ...	0	1	6			
Hard freestone ...	0	3	0				Shale ...	0	0	6			
Blue metal shale ...	0	4	0				Scremerston Seam—						
Limestone ...	0	2	0					Ft.	In.				
Blue metal or shale ...	0	3	0				COAL ...	1	8				
Whin or hard free-							Blue metal ...	0	5				
stone ...	0	4	0				COAL ...	0	10				
Blue metal ...	0	2	0							0	2	11	
Limestone ...	0	0	6										12 1 11
Blue metal shale ...	0	2	0				Blue metal ...	0	0	10			
Limestone ...	0	3	0				Black stone ...	0	0	4			
Blue metal ...	0	2	6									0	1 2
Carried forward	11	3	0				Total ...					*12	3 1

* Approximate sea level 375 feet below this.

No. 1,168.—HOLLAND BUSH.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Account of Boring at Holland Bush. Commenced November 18th, 1857.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	5	9				Brought forward	1	1	7	10	2	4
Freestone ...	5	5	7				Grey metal ...	0	0	3			
Grey metal ...	0	1	2				COAL ...	0	0	11			
COAL ...	0	0	4								1	2	9
				7	0	10	Dark grey metal ...	0	0	8			
Seggar ...	0	1	2				Grey metal, with post						
Grey metal, with post							girdles ...	2	0	0			
girdles ...	2	5	10					Ft.	In.				
COAL, foul...	0	0	6				COAL ...	0	11				
				3	1	6	Band ...	0	2				
Grey metal ...	0	3	8				COAL ...	2	4				
White post ...	0	3	11							0	3	5	
Carried forward	1	1	7	10	2	4						2	4 1
							Carried forward					14	3 2

No. 1,168.—HOLLAND BUSH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				14	3	2
Grey metal, with post girdles ...	1	0	0			
Post and metal partings ...	1	3	1			
Strong white post ...	1	0	0			
Whin ...	0	0	11			
Carried forward	3	4	0	14	3	2

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	3	4	0	14	3	2	
Strong white post ...	0	5	0				
Grey metal ...	0	2	0				
Hard white post ...	1	0	10				
Grey metal ...	0	0	8				
					6	0	6
Total ...					20	3	8

No. 1,169.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 52", Long. 1° 40' 0".

Account of the Boring on Holmside Common, about 200 yards to the West from White Hall. July 1st, 1754.

Approximate surface level 584 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay...	1	0	0				Brought forward	3	5	0	12	0	11	
Grey ramble	0	3	9				White post	0	0	10				
COAL , foul, with water	0	0	9											
				1	4	6								
Brown and grey scamy metal	1	4	4				COAL	0	10					
Black metal	0	1	3				Grey metal	0	2					
Brown and grey scamy metal	0	0	9				COAL , brassy	0	2					
Black metal	0	0	5					0	1	2		4	1	0
COAL	0	1	5											
				2	2	2	Soft grey and blue metal, with girdles or lumps and some small scares of coal	2	0	0				
Grey metal	2	4	0				Grey metal stone, with girdles or lumps	0	2	0				
Grey and brown scamy metal	1	4	0				Whin	0	0	4				
Grey metal stone, with post girdles	1	4	0				White and grey post	0	1	0				
White and grey metal, with post girdles or lumps and water	1	0	0				Black grey metal	0	1	6				
Blue metal	0	0	3				Grey and blue metal, with girdles or lumps	1	5	9				
COAL	0	3	9				Blue metal stone, with girdles or lumps	0	4	6				
				7	4	0	COAL , but coarse the last half-yard...	0	4	10		6	1	11
Grey metal	0	1	8											
COAL , soft...	0	0	7				Black metal, mixed with coal	0	0	4				
				0	2	3	Grey metal	0	0	7		0	0	11
Grey metal and metal stone, with post girdles or lumps	3	5	0											
Carried forward	3	5	0	12	0	11	Total					*22	4	9

* Approximate sea level 447¼ feet below this.

No. 1,174.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	11	5	1	10	Brought forward				18	5	6
Strong white post, with water ...	3	3	9				Strong white post ...	1	0	9			
Strong whin ...	0	1	0				Strong whin ...	0	2	3			
White post ...	1	0	0				White post ...	8	4	6			
COAL ...	0	0	6				COAL ...						
				7	4	2	Blue metal ...						
White post ...	0	1	6				COAL ...						
Grey post ...	1	0	9								0	5	8
Strong white post ...	2	3	0				Grey thill ...				11	1	2
Black metal ...	1	5	3								0	0	9
COAL ...	0	1	0										
				5	5	6							
Carried forward				18	5	6	Total ...				30	1	5

No. 1,175.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Approximate surface level feet above sea (Ordnance datum).

Bored at Holywell, about 15 yards North of Wake's Hole. July, 1738.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy channel and water ...	0	3	6				Brought forward				5	0	8
White post ...	0	4	6				COAL, mixed with black slaty metal ...	0	0	6			
Grey scamy stone ...	0	1	8				Black slaty metal ...	0	0	3			
White and grey post, with metal partings and some small sipings of water ...	3	0	0				COAL, foul... ..	0	0	6			
Grey metal and partings near the bottom	0	3	0				Black and grey metal, mixed with coal ...	0	0	6			
				5	0	8	COAL, with water...	0	0	5			
Carried forward				5	0	8	In grey metal ...				0	2	2
											0	0	6
							Total ...				5	3	4

No. 1,176.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3' 44", Long. 1° 30' 11".

Boring to the Low Main Seam, in the Quarry, about 50 yards West of Holywell Bridge. July, 1838.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Post stone—70 Fathoms Post ...	5	0	8				Brought forward	0	2	7	5	0	10
COAL ...	0	0	2				Grey metal ...	0	2	5			
				5	0	10	Post girdle ...	0	2	6			
Thill ...	0	0	10				Grey metal ...	1	1	11			
Post girdle ...	0	1	9				Post girdle ...	0	0	11			
							Blue metal ...	1	0	0			
Carried forward	0	2	7	5	0	10	Carried forward	3	4	4	5	0	10

No. 1,176.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	4	5	0	10		Brought forward			45	1	7
Black stone ...	1	1	9					Grey metal ...	0	0	7		
COAL ...	0	0	8					Grey and white post	2	4	2		
				5	0	9		Grey metal stone and					
Dark grey thill (posty)	0	2	8					whin girdles ...	1	4	4		
Grey post and metal								COAL—Yard Seam	0	2	10		
partings ...	0	3	6								4	5	11
Post— <i>Main Post</i> }	2	0	3				*	Grey metal ...	0	4	0		
	6	5	9					Black metal and iron					
<i>High Main Seam—</i>								girdles ...	0	1	3		
COAL , brassy								Grey metal stone ...	1	4	0		
at top and last								Dark grey metal and					
foot rather	Ft.	In.						<i>coal</i> ...	0	2	0		
tender ...	5	3						Grey metal stone and					
Swad ...	0	3						black scares ...	1	0	9		
COAL , ground	1	8						Grey metal stone and					
White thill ...	0	7						strong post girdles	5	2	8		
COAL , bottom	0	6						Black stone ...	0	1	9		
	1	2	3					<i>Bensham and Six-</i>					
				11	2	5		<i>Quarter Seams—</i>					
<i>Boring continued by</i>								COAL , foul	Ft.	In.			
<i>Thos. R. Maddison,</i>								COAL ...	1	10			
<i>Oct. 10th, 1840:—</i>								COAL , foul	0	5			
Grey metal ...	0	1	2					Dark grey					
COAL , foul, mixed								metal ...	1	7			
with metal ...	0	3	0					COAL ...	1	10			
				0	4	2		Grey metal..	3	0			
Grey metal ...	0	4	0					COAL ...	0	2			
Grey metal stone and									1	3	4		
post girdles ...	6	0	0								11	1	9
Strong white post and								Grey metal stone, with					
water ...	5	2	3					strong ironstone					
COAL—Metal Coal								girdles ...	2	3	7		
<i>Seam</i> ...	0	3	6					Whin ...	0	2	4		
				12	3	9		Grey and white post	1	0	6		
Grey metal ...	0	3	3					Grey metal and iron-					
<i>Hartley Stone Coal—</i>								stone girdles ...	1	1	8		
Dark metal, Ft. In.								COAL ...	0	0	3		
with coal ...	1	6						Grey metal stone, with					
COAL , strong								<i>coal</i> ...	0	0	5		
splint ...	1	2						<i>Five-Quarter Seam—</i>					
	0	2	8					COAL ...	Ft.	In.			
				0	5	11		COAL ...	2	4			
Blue metal stone and								Grey metal...	1	2			
ironstone girdles ...	3	4	0					COAL ...	1	4			
Grey post ...	0	0	8						0	4	10		
Whin, with partings											6	1	7
and water ...	0	2	0					Grey metal stone and					
White and grey post	2	0	0					white post girdles...	0	5	6		
Strong white post ...	1	2	6					Strong post and whin					
Grey metal stone and								girdles ...	0	3	10		
ironstone girdles ...	1	2	7					Grey metal stone and					
								whin girdles ...	2	0	8		
COAL ...	Ft.	In.						COAL ...	0	0	2		
COAL , mixed	0	8									3	4	2
with metal...	0	2											
Dark metal ...	0	6						Carried forward			71	3	0
COAL ...	0	8											
	0	2	0										
				9	1	9							
Carried forward	45	1	7										

* Approximate sea level (Ordnance datum).

No. 1,176.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				71	3	0	Brought forward	3	0	5	71	3	0
Grey metal stone and whin girdles ...	1	0	9				<i>Low Main Seam—</i>						
Grey metal stone, with post girdles ...	1	5	3				COAL, foul	0	2				
Black stone ...	0	0	5				COAL ...	2	8½				
										0	2	10½	
							In grey metal	...			3	3	3½
										0	3	7	
Carried forward	3	0	5	71	3	0	Total	...	...	75	3	10½	

No. 1,177.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in Holywell Royalty, 300 yards West of Green's Farm House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	8	5	0	19	0	0
Gravelly sand and water ...	1	0	6				Post and whin girdles, with partings and water ...	2	2	4			
Blue gravelly clay ...	11	2	6				Grey metal ...	2	0	6			
Brown broken post ...	0	2	0				COAL ...	0	0	8			
Grey metal ...	0	1	10								13	2	6
Brown broken post ...	2	5	0				Whinny post ...	0	0	5			
Grey metal ...	0	2	9				COAL ...	0	0	4			
White post ...	0	2	0								0	0	9
Light grey metal ...	1	4	2				Grey posty thill ...	0	0	3			
Dark grey metal ...	0	1	6				Whinny post ...	0	0	9			
COAL, mixed with black stone ...	0	0	9				White post girdles, with metal partings	2	3	4			
				19	0	0	Whin ...	1	0	0			
Grey thill ...	0	5	0				Grey metal ...	0	0	11			
Light grey metal, with girdles ...	0	4	6				White post ...	0	4	0			
Post and whin girdles, with metal partings	1	2	6				Whin ...	0	3	8			
Whin ...	0	2	0				White post (left off here) ...	0	2	6			
White post, with water and partings ...	5	3	0								5	3	5
Carried forward	8	5	0	19	0	0	Total	...	...	38	0	8	

Nothing satisfactory got in this hole ; supposed to be upon a trouble.

FF

No. 1,178.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in the second place in Holywell Royalty. March 11th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	7	5	0	20	5	0
Brown clay	0	3	0				Grey metal stone ...	0	2	0			
Blue gravelly clay ...	3	2	0				Grey metal stone, with						
Blue leafy clay	0	1	6				post girdles ...	0	3	8			
Blue gravelly clay ...	2	0	6				White post girdles,						
Blue leafy clay	0	2	6				with cashy partings	1	4	6			
Blue strong gravelly							White post	0	3	0			
clay	7	1	6				Grey metal stone, with						
Grey metal	0	0	2				girdles	0	3	2			
COAL	0	0	5				Blue stone	0	3	0			
				14	0	7	Black stone	1	1	8			
							COAL	0	0	5			
Grey metal	0	1	10								13	2	5
COAL	0	0	10										
				0	2	8	Grey thill	0	1	5			
							Strong grey post ...	1	2	4			
Grey pasty thill	0	2	3				White post	0	2	6			
White post	0	5	6				Strong brown whin...	0	3	8			
Scamy grey metal							White post — Main						
stone, with post							Post	9	1	8			
girdles and whin													
clyers	3	1	0				High Main Seam—						
Grey metal	0	2	4										
Grey metal stone, with							COAL	5	4				
girdles	1	0	5				Swad	0	3				
Black stone,							COAL, ground	1	9				
mixed with							Grey thill	0	6				
coal	0	3					COAL, bot-						
Grey metal	0	10					tom	2	6				
COAL, foul... ..	0	6								1	4	4	
Grey metal	0	3											
COAL	0	5									13	3	11
				0	2	3							
				6	1	9							
Dark grey thill stone	0	5	6										
White post, with whin													
clyers and water													
partings at top ...	6	5	6										
Carried forward	7	5	0	20	5	0	Total				47	5	4

No. 1,179.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

No. 3 Borehole on the Holywell Estate, N. 44 E. from Borehole No. 2.
February 7th, 1825.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	11	1	1	17	4	5
Brown gravelly clay...	0	5	0				Dark grey metal, with						
Blue gravelly clay ...	5	0	0				girdles ...	1	2	6			
Sand and gravel ...	1	1	0				Black metal ...	1	3	10			
Strong blue gravelly													
clay ...	3	2	0				COAL ...						
Brown post, with part-							Metal ...	0	1				
ings ...	3	0	0				COAL ...	0	2				
Whin ...	0	2	0								0	1	5
Post and whin girdles	1	1	9										
Blue and brown metal	1	0	9								14	2	10
Grey metal, with post							Grey thill ...	0	3	6			
girdles ...	1	0	6				Post ...	1	4	0			
Black metal ...	0	1	6				Whin ...	0	2	0			
							White post, with part-						
COAL ...	0	4					ings, whin clyers,						
Dark metal ...	0	1					and water ...	6	4	11			
COAL ...	0	6					High Main Seam—						
				0	0	11							
							COAL ...	5	2				
Grey thill ...	0	5	0	17	4	5	Dark metal ...	0	2½				
Grey metal, with post							COAL, ground	1	10				
girdles ...	0	4	9				Grey thill ...	0	10				
White post, with whin							COAL, bottom	2	6				
clyers and water ...	6	5	4							1	4	6½	
Blue metal ...	0	1	6										
Post girdles and metal							Grey thill ...				11	0	11½
partings ...	2	2	6								0	1	2
Carried forward	11	1	1	17	4	5	Total ...				43	3	4½

No. 1,180.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 48", Long. 1° 31' 9".

Account of Strata sunk through at Holywell. 1828.

Approximate surface level 190 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	2	0			
Blue clay ...	1	0	0				Sand and gravel, with						
Brown clay ...	2	1	0				water ...	0	3	0			
							Loamy clay ...	0	3	6			
Carried forward	3	2	0				Carried forward	4	2	6			

No. 1,180.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	6				Brought forward	0	3	0	23	0	7
Sand, with water ...	0	0	6				Grey metal, with post						
Blue gravelly clay ...	3	2	0				girdles ...	0	4	4			
Scamy grey post ...	0	3	0				COAL ...	0	0	9			
Blue metal and post											1	2	1
girdles ...	0	2	11				Strong grey thill						
Blue metal, with iron-							stone ...	0	5	0			
stone girdles ...	0	1	0				White post ...	1	3	7			
COAL ...	0	0	7				Strong grey metal,						
				9	0	6	with post girdles						
Grey thill ...	1	0	4				and water ...	2	5	10			
COAL , mixed with							Black stone ...	0	2	11			
black stone ...	0	1	1				COAL ...	0	0	4			
				1	1	5	Grey metal ...	0	1	0			
Thill ...	0	1	2				COAL ...	0	0	2			
Blue metal, with post											6	0	10
girdles ...	0	5	2				Grey thill ...	0	1	8			
A girdle of petrified							Blue metal, mixed	0	4	10			
shells ...	0	0	4				with post ...	0	4	2			*
Grey thill stone ...	0	1	11				Strong white post,						
Grey metal stone, with							with whin and						
scares of post ...	0	3	6				water ...	6	5	0			
White post, with whin							Blue metal ...	0	2	6			
and metal partings	2	5	10				COAL ...	0	0	3			
Blue metal ...	0	1	2								9	0	5
COAL ...	0	0	7				Grey thill ...	0	1	0			
				5	1	8	Post girdles and metal						
Grey thill stone ...	1	1	7				partings ...	3	0	0			
Dark grey metal stone	2	1	2				Black stone ...	1	4	0			
COAL ...	0	0	10				COAL ...	0	0	5			
				3	3	7					4	5	5
Dark grey thill ...	1	0	3				Strong grey thill stone	0	2	0			
Scaling grey post ...	2	0	0				White post, with whin						
Blue metal ...	0	4	6				and water ...	11	0	2			
COAL ...	0	0	8				COAL — <i>High Main</i>						
				3	5	5	<i>Seam</i> ...	0	5	5			
Grey thill ...	0	3	0								12	1	7
Carried forward	0	3	0	23	0	7	Total ...				56	4	11

* Approximate sea level (Ordnance datum).

No. 1,181.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Strata sunk through in the Algernon Pit, Holywell Colliery. March 30th, 1853.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	0				Brought forward	2	1	6			
Soil ...	0	0	6				Blue gravelly clay ...	1	3	0			
Brown clay ...	1	1	0				Leafy clay ...	0	2	0			
Carried forward	2	1	6				Carried forward	4	0	6			

No. 1,181.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	6				Brought forward	0	5	11	15	5	9
Gravel, with a little water ...	0	0	6				Blue metal stone, with girdles ...	3	4	2			
Strong blue gravelly clay, with large tumblers ...	3	2	4				Black stone ...	0	2	10			
				7	3	4	COAL ...	0	0	7			
Blue metal ...	0	2	8								5	1	6
Brown and white post	2	3	0				Grey thill stone ...	0	4	0			
Whin ...	0	2	0				Post girdles and metal partings ...	2	5	3			
Strong white post, with whin clyers and water near the bottom	5	0	6				Strong white post, with whin clyers ...	5	1	11			
COAL ...	0	0	3				Black stone, mixed with coal ...	0	0	9			
				8	2	5	COAL — <i>High Main Seam</i> (reached Aug. 3rd, 1853)...	1	0	0			
Dark grey thill stone	0	2	3								9	5	11
Grey metal stone ...	0	3	8				Metal or swad ...				0	0	6
Carried forward	0	5	11	15	5	9	Total ...				31	1	8

No. 1,182.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Sunk in East Holywell New Winning, from the Surface to the High Main Seam.
Begun November 20th, 1838.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	2	0	0				Brought forward	1	0	7	19	5	1
Soil ...	0	1	0				Post girdle ...	0	2	10			
Sand, with water ...	0	2	0				Grey metal ...	0	2	9			
Blue clay ...	7	4	0				Strong white post, with whin clyers and water ...	5	5	0			
Loamy clay ...	2	3	0				Grey metal stone, with balls of ironstone...	1	4	0			
Brown clay ...	4	2	0				Post girdles and grey metal partings, with whin clyers and water ...	2	2	0			
Brown metal ...	0	3	8				Grey metal stone ...	0	1	0			
Post girdles ...	0	0	11				Post girdle ...	0	0	3			
Blue metal ...	0	4	6				Black stone, with balls of ironstone ...	2	0	0			
Post girdles ...	0	0	7				COAL , mixed with black stone ...	0	1	0			
Grey metal ...	0	3	6								14	1	5
Black stone ...	0	2	0				Carried forward				34	0	6
COAL ...	1	0											
Grey thill ...	0	9											
COAL ...	0	2											
				0	1	11							
Thill ...	1	0	7	19	5	1							
Carried forward	1	0	7	19	5	1							

No. 1,182.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				34	0	6		Brought forward			72	5	9
Grey thill ...	0	2	9					Thill stone ...	0	0	6		
Strong white post, with whin clyers and water ...	8	1	0					Grey post ...	1	4	0		
Blue metal, with post girdles ...	0	5	4					Blue stone (walling here) ...	2	0	0		
COAL—High Main Seam (got May 1st, 1839) ...	0	5	4					Grey post, with metal partings ...	0	5	8		
Swad ...	0	0	1					White post, mixed with whin ...	8	0	5		
				10	2	6		Blue metal ...	1	3	0		
Sunk further, to Low Main Seam, Jan. 10th, 1860:—								Black stone ...	0	0	9		
COAL, foul... Ft. In.	1	9						Bensham and Six- Quarter Seams—					
Thill stone ...	0	9						COAL ... Ft. In.	2	4			
COAL, foul... 2 4								Band ...	0	7			
	0	4	10					COAL ...	1	8			
				0	4	10					0	4	7
Blue metal ...	3	0	0								15	0	11
Grey metal (walling 3 fms. 3 ft. 10 in. into top of this grey metal) ...	2	3	0					Thill stone ...	0	1	7		
Post girdles ...	0	1	0					Grey post and whin girdles ...	0	5	9		
Grey metal ...	2	1	7					Grey post ...	1	2	11		
White post ...	2	4	0					Whin girdles ...	0	2	10		
COAL—Metal Coal Seam ...	0	3	0					Grey metal, with post girdles ...	1	3	4		
				11	0	7		Black stone coal ...	0	0	5		
Thill stone ...	0	3	0					Black stone band ...	0	0	11		
Blue metal, with iron- stone girdles ...	2	3	0					Grey metal ...	0	0	11		
COAL—Hartley Stone Coal ...	0	2	4					Five-Quarter Seam—					
				3	2	4		COAL ... Ft. In.	1	6			
Thill stone ...	0	4	6					Black stone ...	0	11			
Blue metal, with iron- stone girdles ...	3	4	0					COAL ...	2	0			
Grey metal, with post girdles ...	0	4	0								0	4	5
Post stone, with metal partings and coal pipes ...	0	5	0								5	5	1
Blue metal, with post girdles ...	2	1	8					Thill stone ...	0	1	0		
								Grey post, with metal partings ...	1	2	0		
COAL ... Ft. In.	0	2						Whin girdles ...	0	1	2		
Band ...	0	7						Grey post ...	0	2	2		
COAL ...	2	0						Blue metal, with iron- stone girdles ...	1	3	0		
	0	2	9					Black stone ...	0	0	6		
				8	3	11		Grey metal ...	0	3	9		
Thill stone ...	1	1	0					Grey metal, with grey post girdles ...	0	3	6		
Blue metal (walling 2 fs. 0 ft. 9 in.) ...	0	3	0					Low Main Seam—					
Grey post ...	1	4	0					COAL, grey ... Ft. In.	0	5			
Blue metal ...	0	4	4					COAL ...	3	11			
COAL—Yard Seam	0	2	9								0	4	4
				4	3	1					5	3	5
								Thill stone ...	0	5	0		
Carried forward				72	5	9		Grey metal ...	0	4	0		
								Post ...	0	4	0		
								Grey metal ...	0	1	3		
								Post stone ...	0	2	9		
											2	5	0
								Total ...			102	2	2

No. 1,183.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Boring in Bates Pit, East Holywell, from the High Main Seam to the Low Main Seam. July 19th, 1865.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal and post ...	6	2	0				Brought forward				41	3	8
White post ...	6	4	9				Grey shale . . .	6	4	0			
COAL — <i>Metal Coal</i>							<i>Bensham Seam</i> —						
<i>Seam</i> ...	0	3	0	13	3	9	COAL , foul	2	2				
Shale ...	2	0	3				Grey shale . .	0	10				
Grey post ...	1	2	0				COAL ...	1	8				
Grey shale ...	2	2	0							0	4	8	
Post ...	3	0	0								7	2	8
Shale ...	2	4	6				Black shale ...	0	0	11			
Black shale, mixed							Shale ...	3	0	0			
with coal ...	0	3	0				Whin girdle ...	0	0	10			
Post ...	1	3	0				Shale ...	2	0	10			
Shale, with girdles ...	2	3	3				Black shale ...	0	0	5			
COAL — <i>Yard Seam</i>	0	2	9	16	2	9	COAL (a little grey						
							stone, 3 in.)— <i>Five-</i>						
Grey shale ...	4	4	8				<i>Quarter Seam</i> ...	0	3	9			
Post ...	1	4	4				Into grey shale ...	0	0	8			
Shale ...	3	5	6								6	1	5
COAL ...	0	2	0										
Shale ...	0	3	2										
COAL ...	0	1	6	11	3	2							
Carried forward				41	3	8	Total ...				55	1	9

No. 1,184.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 6", Long. 1° 30' 45".

Section of Strata sunk through in the D Pit, East Holywell Colliery. Commenced October 5th, 1872.

Approximate surface level 126 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	3	0				Brought forward	3	2	0			
Yellow clay ...	1	4	0				Sand, with a little						
Strong blue clay ...	1	1	0				water ...	0	0	6			
Carried forward	3	2	0				Carried forward	3	2	6			

No. 1,184.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	6				Brought forward				37	2	3
Blue clay, with lime-stone boulders ...	2	0	6				COAL , bottom, and seggar ...	2	0	0			
Sand ...	0	1	0				Grey metal ...	4	0	0			
Blue clay, with boulders ...	2	1	0				Grey post ...	3	0	0			
				7	5	0	Grey metal ...	1	1	0			
Soft blue metal ...	0	4	0				Grey post ...	5	4	4			
Soft grey post, with blue metal partings	2	2	0				COAL—Metal Coal Seam ...	0	3	6	16	2	10
Strong white post girdle, mixed with whin ...	0	1	3				Band ...	0	0	6			
Post girdles, with blue metal partings ...	1	5	9				COAL—Stone Coal ...	0	1	11	0	2	5
COAL , coarse ...	0	1	10	5	2	10	Seggar ...	0	4	0			
Seggar clay ...	0	3	3				Grey metal, with girdles	1	4	9			
Soft grey post ...	0	4	9				Whin ...	0	1	8			
White post ...	0	3	0				White post ...	1	2	1			
Whin girdle ...	0	0	8				COAL ...	0	0	5	4	0	11
Grey post ...	0	2	4				Seggar ...	0	1	0			
Brown post ...	0	5	0				Post ...	0	3	8			
Whin ...	0	5	0				Blue metal ...	4	2	6			
Strong white post, with whin balls ...	1	5	0				COAL ...	0	2	0	5	3	2
Strong white filtering post ...	1	2	0				Seggar ...	0	2	4			
Brown post, honey-combed ...	0	3	0				Post girdle ...	0	1	0			
Mottled post...	0	0	2				Grey metal ...	0	4	6			
COAL ...	0	0	11				Whin girdle ...	0	0	6			
				8	5	4	Grey metal, with iron girdles ...	1	0	6			
Thill stone ...	0	0	6				Whin ...	0	2	2			
White post girdle ...	0	1	8				Post ...	0	4	0			
Blue metal ...	0	0	6				Grey metal, with iron girdles ...	1	0	9			
White post girdle ...	0	1	4				COAL—Yard Seam ...	0	2	11	5	0	8
Blue metal (laid out for walling) ...	0	1	6				Seggar ...	1	0	0			
Grey post ...	1	2	0				Grey metal ...	3	3	0			
Light blue metal ...	0	4	6				Grey post ...	3	3	0			
Dark blue metal ...	1	2	6				Grey metal ...	0	5	4			
COAL ...	0	1	0	4	3	6	COAL—Bensham Seam ...	0	2	4	9	1	8
Seggar ...	0	1	0				Seggar clay ...	1	0	0			
Strong white post girdles and blue metal partings ...	2	2	6				COAL—6/4 Seam ...	0	1	8	1	1	8
White post ...	3	4	0				Grey metal ...	2	2	0			
Whin ...	0	5	6				Grey post ...	1	3	0			
White post ...	2	2	9				Whin girdle ...	0	2	0			
Blue metal ...	0	0	5				Grey post ...	1	4	0			
COAL—High Main Seam ...	0	5	5	10	3	7	Blue metal ...	0	3	1			
							Black stone ...	0	1	2	6	3	3
Carried forward	37	2	3				Five-Quarter Seam—						
							COAL ...	1	8				
							Seggar ...	1	0				
							COAL ...	1	9				
								0	4	5	0	4	5
							Carried forward	86	5	3			

* Approximate sea level (Ordnance datum).

No. 1,184.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				86	5	3
Grey metal, with iron girdles ...	3	3	10			
COAL ...	0	0	2			
White post girdles and grey metal partings	2	5	2			
Grey metal ...	0	3	6			
Black stone ...	0	0	5			

No. 1,185.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3' 1", Long. 1° 30' 39".

An Account of the Strata sunk through in the Fenwick Pit, East Holywell Colliery, from Surface to Low Main Seam. Commenced to sink, April 21st, 1873; finished, March 10th, 1874.

Approximate surface level 140 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	2	0				Brought forward	2	3	4	15	5	4
Soil ...	0	2	0				Ft. In.						
Red clay ...	3	0	0				COAL ...	1	0				
Sand, with a little water ...	0	5	0				Seggar clay ...	0	6				
Strong blue clay ...	3	5	0				COAL ...	0	4				
Blue clay, mixed with boulders ...	2	3	0							0	1	10	
Brown clay ...	1	3	4								2	5	2
Gravel bed ...	1	0	0				Thill stone ...	1	1	4			
Strong brown clay ...	2	3	0				Post girdle ...	0	2	10			
				15	5	4	Grey metal ...	0	2	0			
Freestone ...	0	3	6				Strong white post(wal-ling crib) mixed	2	3	4			
Post girdle ...	0	0	11				with whin and water	1	3	8			*
Blue metal ...	0	4	4				Rough post, quartz, and whin ...	2	0	0			
Post girdle ...	0	1	0				Seggar clay ...	0	1	0			
Grey metal ...	0	3	6				Blue metal ...	1	3	0			
Black stone ...	0	2	1										
Carried forward	2	3	4	15	5	4	Carried forward	9	5	2	18	4	6

* Approximate sea level (Ordnance datum).

No. 1,185.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				94	4	10½	Brought forward	10	4	6	94	4	10½
Black stone ...	0	0	6				<i>Low Main Seam—</i>						
Thill stone ...	0	0	10					Ft.	In.				
Grey post ...	0	5	6				COAL, good	0	2½				
Grey metal ...	0	4	4				Splint ...	0	4				
Whin girdle ...	0	1	0				COAL, good	2	7				
Grey metal ...	0	3	10				Danty band..	0	0¾				
Blue metal and iron							COAL, coarse	1	0½				
girdles ...	1	1	0							0	4	2¾	
Dark blue metal, with													11 2 8¾
iron girdles ...	5	5	0				Thill stone ...	0	0	3			
Post girdle ...	0	0	6				Grey metal, inclined						
Grey metal ...	0	2	0				to post ...	0	4	9			
Post girdle ...	0	0	10				Post girdles, with						
Dark blue metal ...	0	2	11				whin and grey post	3	0	0			
Black stone ...	0	0	3								3	5	0
Carried forward	10	4	6	94	4	10½	Total ...				110	0	7¼

No. 1,186.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Strata bored through in West Holywell Colliery, from the bottom of a Staple, 1,300 yards North-east from the Shaft. Begun August 5th, 1846.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From thill of <i>High</i>							Brought forward				14	5	5
<i>Main Seam:—</i>							Grey thill ...	0	3	9			
	Ft.	In.					Dark blue metal ...	0	4	5			
COAL, bottom	1	9					Strong grey post ...	0	4	10			
White thill ...	0	10					Whin ...	0	1	2			
COAL, ground	2	10					Grey post ...	0	0	7			
			0	5	5		Dark blue metal stone	0	3	9			
Thill stone ...			0	3	7		White post ...	0	1	5			
Blue metal stone, with							Dark blue metal ...	0	1	3			
scars of post ...	3	2	10				White post ...	0	2	7			
Depth of staple				4	5	10	Grey metal stone and						
Blue metal stone, with							post girdles ...	1	1	7			
scars of post ...	0	2	6				Blue metal and iron						
Grey metal stone, with							girdles ...	3	3	0			
post girdles ...	1	0	9				Black stone ...	0	0	6			
White post, with metal							COAL, mixed with						
partings and water	7	3	4				black stone ...	0	2	5			
<i>Grey Seam—</i>											9	1	3
COAL ...	2	8					Grey thill ...	0	1	0			
Dark metal..	0	8					Grey post ...	0	3	2			
COAL ...	1	8					Blue metal and post						
			0	5	0		girdles ...	0	5	8			
				9	5	7							
Carried forward				14	5	5	Carried forward	1	3	10	24	0	8

No. 1,187.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	5	11				Brought forward	1	3	6	58	1	2
Strong blue clay, with large tumblers ...	2	4	0				Post seggar ...	0	4	6			
Soft blue metal ...	0	5	6				Strong white post, with whin clyers and water ...	7	4	0			
White post ...	0	4	2				Grey metal ...	2	4	0			
Brown whin ...	0	2	8				White post ...	1	0	6			
Strong white post, with whin clyers ...	7	1	0				Grey metal ...	1	1	3			
Blue metal stone ...	5	4	4				Bensham Seam—						
Black stone ...	0	2	2				COAL ...	Ft.	In.				
COAL ...	0	0	6				Band ...	1	2				
Grey post seggar ...	0	2	5				COAL ...	2	4				
Grey post ...	1	5	4			*				1	0	1	
	0	2	8										15 5 10
Strong white post, with whin clyers ...	5	2	0				Post thill ...	0	2	0			
Black metal stone ...	0	0	9				Grey metal, with post girdles ...	3	2	0			
COAL—High Main Seam ...	1	0	3	30	1	8	White post ...	2	2	0			
Swad ...	0	0	9				Five-Quarter Seam—						
COAL ...	0	0	3				COAL ...	Ft.	In.				
Soft and black metal	0	2	4				Stone ...	0	3				
Grey stone ...	0	0	8				COAL ...	0	1				
COAL ...	0	0	7				Stone ...	1	3				
Blue metal ...	2	3	0				COAL ...	1	11				
Strong grey metal, mixed with post and a little water ...	4	2	6				Stone ...	0	9				
Strong grey post, with whin clyers ...	6	2	0				COAL ...	0	6				
COAL—Metal Coal Seam ...	0	3	10	14	3	11	Stone ...	0	5				
							COAL ...	1	2				
Seggar thill ...	0	3	4							1	1	2	
COAL—Stone Coal Seam ...	0	2	7	0	5	11							7 1 2
							Seggar stone...	0	2	6			
Post, thill stone ...	0	3	8				Blue metal ...	0	5	0			
Blue metal ...	1	1	0				Post girdle ...	0	0	8			
White post ...	1	0	0				Grey metal, with post and iron girdles ...	1	3	0			
Grey metal ...	3	3	8				Blue metal ...	0	1	0			
COAL ...	0	0	7				Grey metal, with whin and post girdles ...	3	3	3			
Black metal ...	0	3	9				White post ...	0	3	5			
COAL ...	0	0	6				Grey metal and post girdles ...	1	0	0			
Blue metal ...	1	0	5				Low Main Seam—						
White post ...	0	4	0				COAL ...	Ft.	In.				
Whin, with water ...	0	3	2				COAL, cannel ...	0	2½				
Post girdle ...	0	0	4				COAL ...	4	11				
Grey metal ...	0	5	4							0	5	4½	
Grey post ...	0	3	3										9 0 2½
Grey metal ...	0	5	0										
COAL—Yard Seam ...	0	3	0	12	1	8							
Post Seggar ...	0	3	4										
Blue metal ...	0	5	5										
COAL, coarse ...	0	0	9										
Carried forward	1	3	6	58	1	2	Total ...						90 2 4½

* Approximate sea level (Ordnance datum).

No. 1,188.—HOUGHALL.

TOWNSHIP OF ELVET, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Strata bored through in the Barn Field in Houghall Estate, near Durham. 1840.
Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				25	3	5
Sand ...	0	3	0				COAL, tender ...	0	0	11			
Sandy clay ...	1	3	0				Grey metal ...	0	3	8			
Gravel and water ...	2	2	0				COAL ...	0	1	0			
Sand ...	0	4	0								0	5	7
Stony clay ...	2	5	0				Grey metal stone ...	0	5	7			
Grey and white post, with brown partings	10	5	0				White post ...	0	3	0			
				18	5	0	Grey post stone ...	2	1	6			
COAL — Low Main							Grey metal ...	0	2	4			
Seam ...	0	2	0				Grey metal stone, in-						
Grey metal stone ...	5	0	2				clining to post ...	1	4	2			
Dark metal ...	0	4	0				COAL—Hutton Seam	0	3	6			
Metal and foul coal ...	0	3	0								6	2	1
White post ...	0	1	3				Grey metal ...	0	0	3			
				6	4	5	Grey stone ...	0	3	10			
											0	4	1
Carried forward				25	3	5	Total ...				33	3	2

No. 1,189.—HOUGHALL.

TOWNSHIP OF ELVET, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 33", Long. 1° 33' 46".

Strata sunk through in the Houghall Estate, by Elvet Coal Co. 1841.
Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	3				Brought forward				24	5	8
Sand ...	1	2	0				Grey metal ...	0	0	4			
Small gravel ...	1	0	0					1	0	10			*
Sand ...	2	4	3				White post ...	0	3	0			
Stiff strong metal ...	2	1	6				Grey metal ...	2	1	6			
Grey and white post ...	11	1	6				Grey post ...	0	2	4			
COAL — Low Main							Grey metal, inclining						
Seam ...	0	2	8				to post ...	1	4	2			
				19	1	2	Hutton Seam—						
Grey metal ...	4	5	4										
COAL ...	0	0	10				COAL, good	3	3				
				5	0	2	COAL, bot-						
Thill stone ...	0	4	0				tom ...	0	4				
COAL ...	0	0	4								0	3	7
				0	4	4							
Carried forward				24	5	8	Total ...				31	3	5

* Approximate sea level (Ordnance datum).

No. 1,190.—HOUGHTERSLAW.

TOWNSHIP OF EGLINGHAM, NORTHUMBERLAND.

Sheet 26 of Ordnance Map.

Lat.

, Long.

Strata at Houghterslaw, 2½ miles North of Bannamoor, near Eglington, Northumberland.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, thills, a thin limestone and shales	5	0	0				Brought forward	12	4	6			
COAL	0	1	3				Hard sandstone ...	0	4	0			
Band	0	2	0				Black beds ...	0	2	0			
COAL	0	0	9				Bad limestone ...	0	3	0			
Shale	0	0	6				Greenish shale ...	0	0	6			
Sandstone, coarse above and fine below	2	3	0				Hard sandstone ...	0	1	3			
Grey beds, or slaty sandstones ...	4	0	0				COAL , with 6 inches band— <i>Main Coal</i>	0	2	5			
White metal, with so-called 10-inch <i>coal</i>	0	3	0								14	5	8
Carried forward	12	4	6				Total				14	5	8

Beds are disturbed, but general dip is North-east.

No. 1,191.—HOUGHTON.

TOWNSHIP OF HOUGHTON-LE-SPRING, DURHAM.

Sheet 13 of Ordnance Map.

Lat. 54° 50' 47", Long. 1° 28' 21".

Account of Strata sunk through in the Houghton Pit, belonging the Right Honourable the Earl of Durham. Begun April 29th, 1823; finished April, 1827.

Approximate surface level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil	0	1	0				Brought forward	4	3	8			
Peat	0	3	0				Grey scamy post ...	0	3	8			
Sand, with water ...	2	2	0				Brown post	2	1	2			
Blue seggar clay ...	0	4	0				Blue metal, with water	0	3	6			
Grey seggar clay ...	0	3	6				COAL	0	0	9			
Brown post, with water	0	2	2								8	0	9
Carried forward	4	3	8				Carried forward				8	0	9

No. 1,191.—HOUGHTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				8	0	9	Brought forward	9	2	11	29	5	9
Thilly blue metal ...	1	4	7				Grey metal ...	0	1	1			
COAL ...	0	0	4				White post ...	0	1	4			
				1	4	11	Grey metal ...	2	1	5			
Blue metal, mixed							COAL ...	0	2	5			
with tumblers ...	2	2	4								12	3	2
Blue coloured post ...	1	5	0				Thill ...	0	2	8			
							Thilly grey metal ...	1	3	7			
COAL ...	0	9					Blue metal ...	3	0	9			
Brown metal... 0 6							Grey metal and gir-						
COAL ... 0 9							dles ...	0	4	0			
	0	2	0				Blue metal ...	1	4	9			
				4	3	4	COAL ...	0	1	0			
Thilly grey metal ...	1	1	6								7	4	9
Blue metal, mixed							Thill ...	0	0	11			
with whin layers ...	5	0	6				Grey metal, with post						
Black metal ...	1	0	6				girdles and water...	1	1	11			
COAL, with water...	0	0	2				Black cashy parting	0	0	9			
				7	2	8	Grey post, mixed with						
Thilly grey metal ...	0	1	8				grey metal ...	0	3	5			
COAL ...	0	0	6				COAL ...	0	0	9			
				0	2	2					2	1	9
Thilly grey metal ...	0	2	0				Thill ...	0	0	5			
Grey post, mixed with							Grey metal ...	0	2	0			
whin ...	0	5	0				White post, with open						
Blue metal and water	0	3	4				gullets and water...	1	4	6			
COAL ...	0	0	4				Blue metal, with iron-						
				1	4	8	stone girdles ...	1	5	6			
Thilly grey metal,							Thill ...	0	3	8			
with water ...	1	5	2				Thilly grey metal ...	0	2	6			
Broken post, with very							Grey post girdles ...	0	0	8			
open gullets, mixed							Dark blue stone ...	0	3	2			
with whin and grey							Grey post girdle ...	0	0	8			
post with water ...	2	1	3				Grey metal, mixed						
Blue stone ...	0	1	0				with post girdles ...	2	2	0			
							COAL ...	0	1	1			
COAL, splinty 0 7											8	2	2
Brown metal ... 0 2							Grey metal, with whin						
COAL ... 0 4							layers ...	2	4	0			
	0	1	1				Blue metal, mixed with						
				4	2	6	coal ...	0	1	6			
Thill ...	0	2	11				Grey post, mixed with						
Grey metal ...	0	3	8				whin layers ...	1	3	9			
Blue metal ...	0	1	7				White post, mixed						
COAL ...	0	0	7				with whin... ..	2	2	6			
				1	2	9	Strong grey metal ...	3	3	0			
Thill ...	0	5	0				Blue metal, mixed with						
Grey metal, mixed							ironstone girdles ...	1	4	2			
with whin layers ...	2	4	7				Three-Quarter Seam—						
White post, with open													
gullets and water...	0	4	0				COAL	0	8				
Blue metal ...	0	0	6				Brown metal	0	3				
White post, with open	2	2	2				COAL	1	0				
gullets and water...	2	4	2			*				0	1	11	
Black cashy parings													
(bears the principal											12	2	10
part of the water, as							Brown metal ...	0	0	1			
little comes out be-							Stone, mixed with coal	0	3	5			
low here) ...	0	0	6				COAL, coarse ...	0	3	3			
											1	0	9
Carried forward	9	2	11	29	5	9	Carried forward				74	3	2

* Approximate sea level (Ordnance datum).

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			74	3	2			
Grey metal	...	...	1	0	3			
Thill	...	...	0	4	6			
COAL	...	...	0	2	0			
						2	0	9
Thill	...	...	0	3	0			
Grey metal	...	...	1	4	2			
Strong grey metal, inclining to post	...	...	2	5	7			
COAL—5/4 Seam	...	...	0	3	4			
						5	4	1
Thill	...	...	1	0	0			
Grey metal	...	...	4	0	9			
Post girdles	...	...	0	2	8			
Grey metal	...	...	1	4	3			
Post girdle	...	...	0	1	2			
Blue stone, with iron-stone girdles	...	...	5	1	2			
<i>Main Coal Seam—</i>								
Band	...	Ft. In.	0	2				
COAL, rather coarse	...	0	10					
COAL, good	...	1	6					
COAL, good kirving	...	1	4					
Band	...	0	1					
COAL, good, top of grounds	...	1	8					
COAL, coarse, bottom of grounds	...	0	8					
						1	0	3
						13	4	3
Thill	...	...	0	2	6			
Grey metal	...	...	0	4	10			
Blue metal	...	...	0	1	4			
Strong grey metal	...	...	3	2	2			
Strong white post	...	...	1	5	5			
Grey metal	...	...	0	1	5			
Post	...	...	1	1	5			
Grey metal	...	...	0	3	10			
<i>Maudlin Seam—</i>								
COAL, coarse	...	Ft. In.	0	10				
COAL, good	...	2	8					
COAL, splint	...	0	4					
COAL	...	1	3					
						0	5	1
						9	4	0
Carried forward			105	4	3			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			105	4	3			
Thill	...	...	0	2	9			
Grey metal	...	...	3	2	0			
Scamy post	...	...	6	5	9			
Blue coloured post	...	...	0	0	4			
<i>Low Main Seam—</i>								
COAL	...	Ft. In.	1	1				
COAL, splint	...	0	2					
COAL	...	0	9					
Stone	...	0	1					
COAL	...	2	7					
						0	4	8
						11	3	6
Thill	...	...	0	1	1			
Grey metal	...	...	1	4	6			
Blue metal	...	...	2	5	3			
COAL	...	...	0	1	6			
						5	0	4
Thill	...	...	0	2	0			
Post girdle	...	...	0	2	0			
Blue metal	...	...	0	0	7			
COAL	...	...	0	1	9			
						1	0	4
Thill	...	...	0	2	3			
Strong grey metal	...	...	3	0	4			
Blue metal, mixed with ironstone girdles	...	...	2	1	4			
Post girdle	...	...	0	0	5			
Blue metal	...	...	0	5	3			
COAL—Hutton Seam	...	...	0	4	5			
						7	2	0
Thill	...	...	0	1	6			
COAL, bottom	...	...	0	1	8			
Thill	...	...	1	0	0			
Grey metal	...	...	1	1	0			
Post girdle	...	...	0	2	0			
Grey metal	...	...	0	1	10			
						3	2	0
Total			...	...	...	134	0	5

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AN ACCOUNT OF THE STRATA OF
No. 1,192.—HOWDEN.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of Strata bored through in Howden, near Lanchester, from the thill of Tommy Whinney's Grove.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Thill	...	0	2	0					Brought forward				6	5	9
Brown post	...	0	2	0				Grey thill	...	0	1	5			
Blue stone	...	0	0	3				Grey post	...	0	3	8			
COAL	...	0	1	2				Blue stone	...	1	2	1			
					0	5	5	Whin	...	0	1	1			
Thill	...	0	1	0				Grey post	...	1	0	9			
Blue and grey girdles	...	0	3	6				White post girdle	...	0	0	6			
Brown shiver	...	0	0	6				Grey post girdle	...	0	3	6			
Grey stone	...	0	2	6				Blue stone	...	1	0	11			
Blue stone	...	0	4	1				Grey post	...	0	5	6			
Grey stone	...	0	2	1				White post	...	0	1	6			
White post girdle	...	0	0	5				Grey post	...	1	0	0			
Grey stone	...	0	4	2				White post girdle	...	0	0	6			
White post girdle	...	0	0	4				Blue stone	...	0	3	6			
Grey stone	...	0	1	2				Grey post	...	0	4	6			
Brown stone	...	0	3	6				Blue stone	...	1	2	0			
Grey post	...	0	1	4				Blue post girdle	...	0	0	6			
White post, with water	...	0	2	9				Blue stone	...	1	1	6			
Brown post, with water	...	0	1	4				Green post	...	0	2	7			
White post, with water	...	0	2	0				In blue stone	...	0	3	4			
Blue and grey girdles	...	0	1	8									12	3	4
COAL—Main Coal	...	0	4	0											
					6	0	4								
Carried forward					6	5	9	Total	...				19	3	1

No. 1,193.—HOWDON.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59' 31", Long. 1° 28' 59".

Account of Strata sunk through at the New Pit, Howdon Dock. Begun December 14th, 1804; finished October 1st, 1808.

Approximate surface level 50 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	1	3	0				Brought forward		2	4	6			
Soil	...	0	1	6				Leafy clay	...	1	5	0			
Brown clay	...	1	0	0				Blue gravelly clay	{	3	4	6			*
										0	2	0			
Carried forward		2	4	6				Carried forward		8	4	0			

* Approximate sea level (Ordnance datum).

No. 1,193.—HOWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4	0				Brought forward	7	4	6	72	5	6
Brown gravelly clay...	1	2	0				Blue metal, with whin						
Sand, gravel, and water	0	3	0				girdles ...	1	1	0			
Blue gravelly clay ...	6	0	0				Grey metal, with whin						
Sand, gravel, and clay,							girdles ...	1	2	0			
with water ...	2	0	0								10	1	6
Sand and gravel, with							Whin ...	0	1	6			
water ...	3	4	6				Grey metal, with post						
Grey metal ...	0	3	0				girdles ...	0	4	0			
							Grey metal ...	0	2	4			
COAL ...	0	2					COAL , mixed with						
Grey metal ...	0	2					black stone ...	0	1	2			
COAL ...	0	11									1	3	0
							Thill ...	0	3	0			
	0	1	3				Grey thill stone, with						
				22	5	9	whin girdles ...	0	4	0			
Thill ...	0	4	0				Grey metal stone ...	1	3	0			
Grey metal, with post							Post, with whin girdles	1	1	0			
girdles and water...	3	2	9				Grey metal stone ...	1	4	0			
Black stone, with							Blue stone ...	0	2	0			
water ...	0	4	0				COAL , mixed with						
Blue stone, with water	0	3	6				black stone ...	0	1	2			
Grey thill ...	0	5	6								6	0	2
Grey metal, with water	4	5	6				Grey metal ...	1	4	0			
Scamy grey post, with							White post ...	8	3	0			
water ...	5	2	0				Grey metal ...	0	2	0			
White post, with water	10	4	0				COAL ...	0	0	10			
Grey metal ...	0	4	0								10	3	10
White post ...	1	1	0				Grey metal ...	1	2	0			
Grey metal ...	1	3	0				Blue metal ...	0	4	0			
Black stone ...	1	0	0								2	0	0
Grey metal ...	0	5	0				Grey metal stone ...	1	0	0			
Grey metal, with whin							White post ...	9	1	0			
girdles ...	3	1	0				Grey metal, with post						
Blue metal ...	0	2	0				girdles ...	0	3	0			
Red metal ...	0	5	0				White post, with water	2	0	0			
White post, with water	7	5	0				Black stone ...	0	3	0			
Red metal ...	0	5	0				Blue stone ...	0	2	0			
Grey metal, with whin							Scamy stone post ...	0	3	0			
girdles ...	1	0	0				Blue stone ...	0	3	0			
Grey thill ...	0	4	6				Grey metal ...	0	4	0			
Black stone ...	0	1	6				Black stone ...	0	2	6			
Grey metal, with whin							Post and grey metal						
girdles ...	1	2	6				girdle ...	1	0	2			
Blue stone ...	0	4	0				Dark blue metal gir-						
							dles ...	2	3	0			
COAL ...	0	6					COAL ...	0	0	4			
Grey metal ...	1	6									19	1	0
COAL ...	1	0					Grey thill ...	0	2	0			
							Grey post ...	0	2	0			
	0	3	0				White post ...	10	0	0			
				49	5	9	Grey metal stone ...	0	4	0			
Grey thill ...	0	1	0				COAL — <i>Main Coal</i>						
Grey metal, with post							<i>Seam</i> ...	1	0	8			
girdles ...	5	3	6								12	2	8
Blue stone ...	1	0	0										
Grey metal, with whin													
girdles ...	1	0	0										
Carried forward	7	4	6	72	5	6	Total ...				134	5	8

No. 1,194.—HOWDON.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored in the Washing Dike Pit, near Howdon Pans. September 24th, 1750.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
From the top to the scaffold ...				1	3	0		Brought forward	19	4	2	21	3	3
Of box ...	11	0	0				Blue and black metal	1	4	6				
Sand, with water ...	0	1	0				Blue and black scamy metal, with some small girdles or lumps ...	2	4	6				
Black stony clay ...	0	3	0				Black slaty metal ...	0	1	0				
Sand and gravelly clay	0	4	6				Black slaty metal, mixed with coal ...	0	0	4				
Sand and gravelly clay, with water ...	0	0	9				Black slaty metal ...	0	2	6				
Sand and gravelly clay	0	2	6				Grey metal stone, with black scamy partings ...	0	2	6				
Sand and gravel ...	0	4	0				Grey post ...	0	4	6				
Stony clay ...	0	1	0				Grey metal ...	0	5	0				
Broken red and brown stone ...	0	2	0				Grey metal, with girdles or catheads	1	5	6				
Sand and gravel, with whin girdles or lumps and water ...	1	1	6				Hard brown, grey, and red scamy stone, with water ...	0	1	6				
Brown and grey rambly stone ...	0	1	0				Grey and brown scamy metal ...	0	3	0				
Brown and grey rambly stone, with catheads ...	1	0	0				Grey and brown scamy metal, with girdles	0	2	0				
Soft blue and black slaty metal, with catheads or girdles and some small scares of coal ...	2	0	0				Strong white post ...	0	1	8				
Grey metal stone, with girdles or lumps ...	1	3	0	20	0	3	Dun and red scamy whin ...	0	1	0	30	1	8	
Grey and white scamy post ...	4	0	0				Strong dun grey stone	0	1	9				
White post, with metal partings and water ...	4	5	0				Strong white post ...	0	2	0				
White post ...	0	5	0				Whin ...	0	0	9				
White and grey post girdles, with metal partings ...	1	1	9				Strong white post, mixed with whin ...	0	1	8				
White post ...	3	3	0				Strong white post ...	4	5	0				
A whin girdle ...	0	0	5				White post, with girdles ...	1	3	0				
A blue metal parting	0	0	6				A soft brown and red parting ...	0	0	2				
White post ...	2	3	0				White post, with girdles ...	0	3	0				
Strong post girdles, with black scamy partings ...	0	4	6				Grey, blue, and brown scamy metal, scared with coal ...	0	1	0				
Grey metal ...	1	0	0				Grey and brown scamy metal ...	0	2	0				
Grey and black scamy metal, with some small girdles or lumps ...	0	5	0				Grey and brown scamy metal, with girdles and water ...	1	0	6				
Carried forward	19	4	2	21	3	3	Blue metal ...	1	1	0				
							Carried forward	10	3	10	51	4	11	

No. 1,194.—HOWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	3	10	51	4	11
Black slaty metal, with girdles or cat-heads ...	0	2	4			
Blue and grey metal, with girdles or cat-heads ...	1	4	0			
Blue and black metal, with girdles or cat-heads ...	0	2	6			
COAL ...	0	0	7			
Grey metal ...	0	0	5			
Black metal, with some small scares of coal ...	0	0	10			
Blue grey metal ...	0	1	0			
Black metal ...	0	0	4			
COAL ...	0	0	8			
				13	4	6
Blue metal ...	0	0	6			
Grey post ...	1	2	6			
Grey metal stone ...	0	1	0			
Grey post girdles, with metal partings ...	0	2	0			
Grey metal stone ...	1	2	0			
Whin ...	0	0	5			
				3	2	5
Grey post girdle ...	0	0	6			
Grey metal stone, with girdles ...	1	0	0			
Grey post ...	0	2	0			
Grey metal stone, with girdles ...	0	2	6			
Blue metal, with girdles or catheads ...	0	2	0			
Blue metal, with black scames and girdles or catheads ...	1	0	0			
Carried forward	3	1	0	68	5	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	0	68	5	10
Grey metal ...	0	0	6			
Whin girdle, with water ...	0	0	4			
Grey post ...	0	1	0			
Grey metal, with cat-heads ...	0	3	0			
Blue and black scamy metal, with some small scares of coal	0	1	0			
Grey metal, with girdles or catheads ...	0	4	0			
Grey metal stone, with girdles or catheads	1	2	4			
Blue and black metal	0	0	8			
Grey metal, with post girdles ...	0	2	6			
Grey post ...	1	3	4			
Grey and blue metal...	0	1	6			
COAL ...	Ft.	In.				
	0	8				
Black metal, mixed with coal ...	0	2				
COAL ...	0	3				
Grey metal, scared with coal ...	0	5				
				0	1	6
						8 4 8
Grey metal ...	0	0	5			
In grey metal, with girdles or catheads	1	0	0			
						1 0 5
Total ...						78 4 11

No. 1,195.—HOWNES GILL.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Account of Strata bored through on the Hownes Gill Royalty. August 7th, 1838.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	6	5	0				Brought forward	9	1	10			
Soft grey metal, with scares of coal ...	2	1	10				Soft grey metal with water ...	3	2	2			
Broken post ...	0	1	0				Brown post, with metal partings ...	1	2	6			
Carried forward	9	1	10				Carried forward	14	0	6			

No. 1,195.—HOWNES GILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	0	6				Brought forward	32	0	7			
Soft grey metal ...	0	1	6				Black metal, mixed						
Strong grey post ...	0	4	6				with <i>coal</i> ...	0	2	3			
Grey metal ...	0	4	2				Grey metal ...	0	3	8			
Strong white post,							Grey whin ...	0	3	1			
with metal partings							Blue metal ...	1	0	0			
and water ...	0	2	8				Grey metal ...	1	4	6			
Blue metal ...	1	3	2				Grey post, with metal						
Grey metal, with post							partings ...	1	2	6			
girdles ...	1	3	0				Grey metal ...	0	1	8			
Grey post ...	0	2	5				Grey post ...	1	5	8			
Dark grey metal ...	1	3	7				Blue metal, with post						
Grey post, with much							girdles ...	0	2	2			
water ...	6	5	8				COAL ...	0	0	3			
Soft grey metal ...	0	4	3								40	2	4
Grey post ...	1	3	8				Grey metal ...	0	1	10			
Blue metal, with post							Grey post ...	0	1	10			
girdles ...	1	3	6								0	3	8
Carried forward	32	0	7				Total ...				41	0	0

No. 1,196.—HUMBLEDON HILL.

TOWNSHIP OF BISHOP WEARMOUTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 53' 26", Long. 1° 24' 16".

*Strata sunk and bored through at Humbledon Hill, Sunderland Water Company.
December, 1848.*

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk :—</i>							Brought forward	16	4	10	19	2	0
Soil ...	0	1	6				Yellow limestone, with						
Strong stony clay ...	2	0	6				water ...	3	2	0			
Yellow limestone, with							Strong brown lime-						
water in the bottom							stone ...	6	3	2			
9 feet ...	17	0	0				Yellow limestone ...	1	2	0			
				19	2	0	Strong brown lime-						
<i>Bored :—</i>							stone, with girdles	0	5	6			
Strong brown lime-							Yellow sand ...	0	0	6			
stone, with water ..	4	2	8				Dark metal stone ...	1	3	10			
White limestone ...	4	5	3				Yellow sand, with						
Brown limestone ...	3	4	0				much water 4 feet						
Very soft yellow lime-							from top ...	0	4	0			
stone ...	0	4	6				Brown sand, very						
Strong brown lime-	0	1	7				quick at the bottom						
stone ...	2	4	10			*	and much water ...	1	0	4			
Carried forward	16	4	10	19	2	0					32	2	2
							Total ...				51	4	2

* Approximate sea level (Ordnance datum).

No. 1,197.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 14", Long. 1° 42' 17".

Boring at the East End of Hunwick Village.

Approximate surface level 436 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	22	0	5			
Strong blue clay, with tumbling stones ...	3	3	6				Strong grey metal, with whin girdles...	3	1	9			
Grey metal, with post girdles and water...	1	2	8				COAL —5/4 Seam ...	0	4	4			
Strong white post, with metal partings	1	5	6								4	0	1
Grey metal	0	1	8				Strong white post, and set away the water	7	2	8			
COAL	0	1	6				COAL , foul... ..	0	1	4			
				7	4	4					7	4	0
Grey metal	3	0	4				Strong grey metal, with post girdles ...	2	1	7			
COAL	0	0	11				Grey metal	0	4	6			
				3	1	3	COAL	0	1	2			
Grey metal	2	0	10								3	1	3
COAL	0	0	6				Grey metal	0	4	7			
				2	1	4	COAL	0	0	9			
Grey metal	0	4	6								0	5	4
White post, with me- tal partings	1	3	4				Grey metal, with post girdles	0	4	11			
COAL , with water...	0	2	0				Strong white and grey post, with metal						
				2	3	10	partings	4	1	3			
Grey metal	0	1	9				Grey metal, with post girdles	1	1	0			
White post, with water	1	4	8				Black metal, with scares of coal ...	0	0	6			
Blue metal	0	1	6				COAL —Main Coal Seam	0	4	10			
COAL	0	1	3								7	0	6
				2	3	2	Grey metal	1	0	0			
Dark grey metal ...	0	3	0				Grey post	2	1	0			
COAL	0	0	9								3	1	0
				0	3	9							
Grey metal	2	5	4										
COAL	0	1	5										
				3	0	9							
Carried forward				22	0	5	Total				*48	0	7

* Approximate sea level 147½ feet below this.

No. 1,198.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 45", Long. 1° 41' 55".

Account of Strata bored through upon the Hunwick Royalty. July 31st, 1839.

Approximate surface level 295 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, with sandy part- ings with large stones and water ...	11	0	0				Brought forward				20	4	5
Freestone, with soft red partings and water ...	2	5	6				Grey metal ...	1	1	1			
Grey metal ...	3	1	5				Post, with water ...	0	3	0			
COAL ...	0	1	3				Blue metal ...	1	4	7			
				17	2	2	Strong grey metal ...	1	5	6			
Black stone ...	0	0	7				Blue metal, very dark last 10 inches ...	0	3	5			
Strong grey metal, with post girdles ...	3	0	10				COAL , brassy the last 8 inches ...	0	4	8	6	4	3
COAL , foul... ..	0	0	10				Grey metal, inclining to post ...				0	5	6
				3	2	3							
Carried forward				20	4	5	Total ...				28	2	2

No. 1,199.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

No. 2 Hole at Hunwick, from the surface. Commenced June 13th, 1842.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, blue clay, and grey metal ...	5	3	2				White post, with water ...	2	2	6	17	0	3
Black stone and <i>coal</i> ...	0	1	11				Grey whin, set away the water with foul- ness ...	0	0	11			
Sand ...	0	3	2				White post ...	0	4	10			
Red marl ...	0	4	0				Dark grey metal, with water ...	1	5	6			
Brown freestone ...	7	2	0				<i>Brockwell Seam</i> — Black metal, mixed with <i>coal</i> ...	0	6				
Grey metal ...	0	2	6				COAL , good..	4	0				
COAL ...	0	1	11	15	0	8	COAL , coarse or splint ...	0	4				
								0	4	10	8	5	3
Grey metal, with post girdles ...	1	3	11				Grey metal thill				0	2	0
COAL , with a band 2 inches thick ...	0	1	8	1	5	7							
							Total ...				26	1	6
Grey metal ...	0	2	0										
Black stone, mixed with <i>coal</i> ...	0	1	0										
Grey metal stone ...	1	5	6										
Carried forward	2	2	6	17	0	3							

No. 1,200.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Strata sunk through at West Hunwick Colliery, No. 1 Shaft.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	0				Brought forward	5	1	6	12	0	6
Strong blue clay, with stones ...	6	1	6				White post ...	3	3	0			
Loamy clay ...	1	3	0				Brown post ...	1	3	0			
Blue metal ...	2	0	0				COAL ...	0	1	4			
COAL ...	0	0	2				Seggar clay ...	0	2	4			
Seggar clay ...	0	2	10				Blue metal ...	1	0	0			
Post ...	0	3	0				Lower Busty Seam—						
Blue metal ...	0	3	0				COAL ...		Ft.	In.			
COAL—Top Busty or 5,4 Seam ...	0	3	0	12	0	6	Seggar clay..	2	8				
Seggar clay ...	0	3	0				COAL ...	1	8				
Brown post ...	4	4	6							0	5	8	
Carried forward	5	1	6	12	0	6	Total ...				12	4	10
											24	5	4

No. 1,201.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Strata bored through in Hunwick Estate, in a Field adjoining the River Wear, on the North side, 60 yards West of Gibson's Ovens.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	3	0	12	2	11
Sand ...	0	3	0				Grey metal, with post girdles ...	0	3	0			
Gravel ...	1	1	0				COAL ...	0	1	0	5	1	0
Brown stony clay ...	6	1	0				Black metal ...	0	0	10			
Brown post ...	3	0	0				Grey metal ...	0	3	0			
Grey metal ...	1	1	5				Grey post, mixed with metal ...	1	3	0			
COAL ...	0	1	6	12	2	11	Dark metal, with a sipping of water ...	0	2	11			
Grey metal ...	2	0	10				Brockwell Seam—						
COAL ...	0	1	1				COAL ...		Ft.	In.			
Grey metal ...	0	3	4				Splint ...	0	5				
Dark metal ...	0	0	6							0	4	6	
COAL ...	0	0	8				Grey metal and post girdles ...				3	2	3
Grey metal ...	0	1	1				Total ...				21	3	2
COAL ...	0	0	6										
Grey metal, with girdles ...	0	4	0										
White and grey post	0	3	0										
Carried forward	4	3	0	12	2	11							

No. 1,202.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 21", Long. 1° 41' 26".

Strata sunk through at Gibson Pit, Hunwick Colliery.

Approximate surface level 250 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	...	1	0	0				Brought forward			12	0	0			
Soil	...	...	0	0	6				Strong freestone	...	4	3	0				
Clay, with sandy part-ings	...	...	4	0	0				Blue stone	...	3	2	10				
Sand, with a siping of water	...	...	1	2	0				Strong grey post	...	4	3	0				
Strong blue gravelly clay	...	...	4	0	0				Blue stone	...	1	2	0				
Yellow freestone	...	...	1	3	0				COAL — <i>Brockwell</i>								
COAL —5/4 <i>Seam</i>	...	...	0	0	6				<i>Seam or Main Coal</i>		0	4	8				
						12	0	0						14	3	6	
									Grey post	...	0	4	0				
									Grey metal, with post girdles	...	0	3	0				
									Strong white post	...	0	4	0				
														1	5	0	
Carried forward						12	0	0	Total	...				*28	2	6	

* Approximate sea level 79½ feet below this.

No. 1,203.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 30", Long. 1° 42' 0".

Section of New Hunwick Shaft, belonging to Mr. Parker Booth. Commenced November 27th, 1854.

Approximate surface level 340 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil	...	0	0	9			
Yellow clay	...	0	2	0			
Blue clay	...	4	1	3			
Fire clay	...	0	2	0			
COAL	...	0	0	1			
					5	0	1
Fire clay	...	0	2	1			
Post girdle	...	0	0	7			
Rubble sandstone	...	0	2	8			
Brown sandstone	...	1	5	2			
Grey shale	...	0	0	6			
Carried forward		2	5	0	5	0	1

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		2	5	0	5	0	1
	Ft. In.						
COAL	...	0	8				
Band	...	0	1½				
COAL	...	0	9				
				0 1 6½			
					3	0	6½
Fire clay	...	0	4	8			
Grey shale, with post							
girdles	...	0	5	0			
Carried forward		1	3	8	8	0	7½

No. 1,203.—HUNWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	8	8	0	7½
Blue shale ...	0	2	6			
COAL ...	0	0	9			
				2	0	11
Sill stone, or strong						
fire clay ...	0	1	10			
Grey post girdle ...	0	0	11			
Ironstone girdle ...	0	0	3			
Shale ...	0	1	9			
COAL ...	0	0	5			
				0	5	2
Fire clay ...	0	3	0			
Grey shale ...	2	2	6			
Black shale ...	0	1	4			
COAL ...	0	1	6½			
				3	2	4½
Fire clay ...	0	3	5			
Brown sandstone ...	2	2	0			
Brown shale ...	0	2	7			
COAL, foul, Ft. In.						
or cannel ...	0	8				
Ironstone band	0	2				
COAL ...	2	0				
	0	2	10			
				3	4	10
Soft sandstone ...	0	1	10			
White sandstone ...	3	0	5			
Carried forward	3	2	3	18	1	11

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	3	18	1	11
Brown sandstone ...	4	0	5			
Hard sandstone ...	0	3	10			
Brown sandstone ...	1	4	7			
COAL ...	0	1	4			
				10	0	5
Fire clay ...	0	1	5			
Blue shale ...	0	5	4			
COAL ...	0	1	0			
Fire clay ...	0	3	5			
COAL ...	0	1	3			
				2	0	5
Fire clay ...	0	1	3			
Blue shale ...	0	1	6			
Hard grey sandstone	0	4	0			
White sandstone ...	1	2	4			
Hard grey sandstone	0	1	8			
White sandstone ...	4	2	0			
Blue shale ...	0	2	7			
Main Coal or Brock-						
well Seam— Ft. In.						
COAL ...	0	2				
Black stone	0	9				
COAL ...	4	3				
Splint ...	0	4				
				0	5	6
				8	2	10
Total ...				*38	5	7

* Approximate sea level 106½ feet below this.

No. 1,204.—HYLTON.

TOWNSHIP OF HYLTON, DURHAM.

Sheet 8 of Ordnance Map. Lat. , Long.

Account of a Boring in the Hylton Grounds, near the Wear side, about three miles from Fulwell. July 21st, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	1	0	0				Brought forward	2	2	0			
Broken grey and							Grey and white post,						
brown post on one							with grey scamy						
side, and clay on the							partings ...	1	0	0			
other side, with							Strong white post ...	0	0	6			
water ...	1	2	0				Grey metal ...	1	0	0			
Carried forward	2	2	0				Carried forward	4	2	6			

No. 1,204.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	6				Brought forward	0	3	0	22	4	1
Black slaty metal, with catheads ...	0	1	6				Black metal, scared with coal ...	0	3	0			
Soft grey and blue metal, with catheads	2	5	4				Grey and white metal, with post girdles ...	2	2	0			
Black metal ...	0	0	10				Whin ...	0	1	0			
COAL, mixed with black metal ...	0	0	6				White post, with water and grey scamy partings ...	2	3	0			
				7	4	8	Grey metal ...	0	4	6			
Black metal ...	0	0	10				Black and blue metal	2	1	6			
Grey metal stone, with water ...	3	0	0				Black and grey metal, mixed with coal ...	0	1	0			
Grey and blue metal stone, with catheads	2	0	0				Grey and white metal stone ...	1	3	0			
Black slaty metal, with catheads and water ...	0	1	0				White and grey post, with water ...	2	0	0			
COAL ...	0	0	6				Grey metal ...	1	0	9			
				5	2	4	Soft grey and blue metal ...	0	2	2			
Grey metal ...	0	0	4										
Blue metal ...	0	0	8				COAL ...	Ft. In. 1 3					
Grey metal stone, with post girdles ...	3	0	0				Blue metal, mixed with coal ...	1 4					
Blue grey metal, with catheads ...	3	0	0						0 2 7				
Black slaty metal, with some small scares of coal ...	0	1	0							14 3 6			
White post girdles, with grey scamy partings and water	0	2	6				Blue metal ...	0	1	6			
Black metal ...	0	0	2				Grey metal stone, with water ...	1	2	0			
							White post girdles, mixed with whin ...	0	3	0			
COAL ...	Ft. In. 0 6						Grey and black metal	3	5	6			
COAL, mixed with grey metal ...	0 6						COAL, with water...	0	1	11			
Grey metal ...	0 4									6 1 11			
COAL ...	0 4						Black and grey metal, with girdles and catheads ...	2	0	0			
				0 1 8			Black and grey metal, with some small scares of coal ...	0	2	0			
					7 0 4		Blue and grey metal, with catheads ...	3	3	0			
Grey metal, with cat- heads and white post girdles near the bottom ...	1 3 0						Black metal ...	0	2	0			
White post, mixed with whin ...	0 1 0						COAL ...	0 0 9			6 1 9		
Blue and black metal, with catheads ...	0 4 2												
							White metal...	0 0 6					
COAL ...	Ft. In. 0 4						Grey metal, with cat- heads ...	0 4 6					
Black slaty me- tal, mixed with coal ...	0 3						Grey and blue metal, with some small girdles and water...	1 1 10					
				0 0 7			COAL ...	0 1 4			2 2 2		
					2 2 9								
Grey metal stone, with post girdles ...	0 3 0						Grey metal ...	0 4 0					
							Whin girdles, mixed with post with black and blue partings...	3 0 0					
Carried forward	0 3 0	22 4 1					Carried forward	3 4 0	52 1 5				

No. 1,204.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	0	52	1	5	Brought forward	1	0	2	61	1	4
Blue metal, with girdles and catheads...	0	1	8				White and grey scamy post, with water ...	2	0	0			
Black metal ...	0	1	6				Black metal ...	0	1	2			
COAL, foul...	0	0	8				COAL, foul...	0	1	6			
				4	1	10					3	2	10
Blue metal, with girdles and catheads...	2	0	0				Grey metal stone ...	0	3	0			
Grey metal stone ...	2	2	0				Grey scamy post girdles, with metal partings ...	2	0	0			
COAL ...	0	9					Blue and black metal, with girdles or catheads ...	1	3	0			
Soft metal ...	0	1					Jet or black slate ...	0	0	6			
COAL, with water ...	1	3					COAL ...	0	0	8			
	0	2	1								4	1	2
Black metal ...	0	0	2				Black metal ...	0	1	0			
Grey metal, with girdles or catheads ...	1	0	0				In grey metal ...	0	0	8			
											0	1	8
Carried forward	1	0	2	61	1	4	Total ...				69	1	0

No. 1,205.—INKERMANN.

TOWNSHIP OF BUTSFIELD (DETACHED NO. 12), DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 46' 7", Long. 1° 48' 32".

Section of Strata sunk through at Inkermann Colliery, Dan's Castle Royalty. 1873.

Approximate surface level 925 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	2	0				Brought forward				7	1	8
Clay ...	3	3	0				Seggar clay ...	0	5	0			
Blue metal ...	0	3	0				Blue metal ...	1	1	0			
Post ...	0	3	0				Brown whin ...	0	3	0			
Blue metal ...	0	1	0				Post ...	0	3	0			
Post ...	0	3	0				Grey post ...	0	1	2			
COAL—Ballarat or Little Coal Seam...	0	2	2				Blue metal ...	2	4	6			
				5	5	2	COAL—Cannel Coal	0	0	11			
Seggar clay ...	0	2	0								6	0	7
Strong post ...	0	1	0				Grey metal ...	1	2	0			
Black thill ...	0	2	0				Post ...	0	2	0			
COAL—5/4 Seam ...	0	3	6				Light brown whin ...	0	2	0			
				1	2	6	Grey metal ...	0	2	0			
Carried forward				7	1	8	Carried forward	2	2	0	13	2	3

No. 1,205.—INKERMANN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	0	13	2	3	Brought forward	7	0	6	13	2	3
Leafy post ...	1	4	0				Main Coal (or Brock-						
Blue metal ...	0	3	6				well) Seam—						
Post ...	0	2	0				Ft. In.						
Grey metal ...	0	5	0				COAL ...	2	7				
Blue metal ...	1	2	0				Seggar band	0	6				
							COAL ...	3	6				
										1	0	7	
Carried forward	7	0	6	13	2	3	Total ...				8	1	1
											*21	3	4

* Approximate sea level 795½ feet below this.

No. 1,206.—IVESTON.

TOWNSHIP OF IVESTON, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata sunk through at Sunnyside Pumping Engine Shaft, Iveston Colliery. 1866.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				17	3	4
Clay ...	3	4	4				Brassy thill ...	0	0	4			
Gravel and sand ...	0	5	4				Strong grey metal						
Shelly post, with metal							stone ...	0	3	0			
partings ...	5	2	0				Dark metal ...	0	1	5			
Dark metal, with iron							Post and whin ...	0	1	11			
bands ...	2	3	0				Light metal ...	0	5	8			
COAL ...	0	0	7				Dark metal ...	0	0	7			
				12	4	3	COAL—Hodge Seam	0	0	4			
Thill stone ...	0	1	10								2	1	3
White post, with water	0	5	8				Thill stone ...	1	5	0			
Light grey metal ...	0	1	10				Black stone ...	0	0	6			
Dark grey metal, with							Thill stone ...	0	4	2			
iron bands...	0	3	10				Post, with whin and						
COAL, bad ...	0	1	5				water ...	0	2	10			
				2	2	7	Tilly Seam—						
Thill stone ...	0	2	7				Ft. In.						
Strong grey post, with							COAL ...	0	11				
water ...	0	3	8				Seggar band	1	8				
Grey metal stone ...	0	2	11				COAL ...	0	7				
Dark metal, with iron										0	3	2	
bands ...	0	3	2								3	3	8
COAL—No. 1 (or							Thill stone ...	0	3	4			
Towneley) Seam ...	0	2	2				Black stone ...	0	0	11			
				2	2	6	Thill stone ...	0	2	8			
Carried forward							Post, with whin and						
							water ...	2	1	0			
							Carried forward	3	1	11	23	2	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	11	23	2	3
<i>Hand Coal—</i>						
	Ft.	In.				
COAL ...	0	4				
Band ...	0	4				
COAL ...	0	6				
	—	0	1	2		
			3	3	1	
Seggar, good light colour, with no iron balls ... 0 2 6						
Dark grey metal ...	1	0	0			
Light metal ...	3	0	0			
Post girdle ...	0	2	0			
<i>Busty Bank Seam—</i>						
	Ft.	In.				
COAL, top...	1	2				
Seggar, good, with no iron balls ...	3	0				
COAL ...	0	3				
Dark metal, with post girdles ...	6	7				
COAL, bot- tom ...	2	4				
	—	2	1	4		
			6	5	10	
Black stone ...	0	0	8			
COAL ...	0	0	3			
Black stone ...	0	0	9			
COAL ...	0	0	2			
	—		0	1	10	
Black stone (bottom of West Drift) ...	0	0	8			
Light seggar ...	0	2	6			
Light grey metal ...	1	0	7			
Post ...	0	4	0			
Post, with metal part- ings ...	2	0	0			
Metal, with post gir- dles ...	0	5	10			
Post, with water ...	1	1	2			
Strong brown post ...	0	5	5			
Grey metal ...	0	3	3			
Strong post, with water ...	1	0	10			
Grey metal ...	0	1	1			
Carried forward	9	1	4	34	1	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	1	4	34	1	0
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL ...	0	2½				
Black stone, mixed with coal ...	0	11½				
	—	0	1	2		
			9	2	6	
Dark grey metal ...	0	5	8			
Whin, with water ...	0	3	2			
Dark metal ...	2	2	0			
Whin girdle ...	0	0	6			
Metal ...	0	0	8			
COAL ...	0	0	5			
	—		4	0	5	
Dark metal ...	0	3	0			
Brown post, with part- ings ...	0	4	3			
Dark metal, with iron- stone ...	0	5	6			
Whin girdle ...	0	0	7			
Grey metal ...	0	3	0			
Post, with metal part- ings ...	0	3	4			
Sand and water ...	0	0	5			
COAL—Brockwell Seam ...	0	1	1			
	—		3	3	2	
Thill stone ...	0	0	4			
Post ...	0	1	8			
Dark metal, with iron- stone ...	0	2	0			
Post, with metal part- ings ...	0	3	0			
Dark metal, with iron balls ...	0	4	7			
Post, with metal part- ings ...	1	0	10			
Strong post ...	0	5	0			
Metal ...	0	2	0			
COAL ...	0	0	4			
	—		4	1	9	
Black stone ...	0	0	5			
Dark metal ...	0	2	4			
Sandy post ...	0	2	10			
Dark metal ...	1	1	0			
Black stone ...	0	1	4			
Grey metal ...	0	4	3			
	—		3	0	2	
Total	58	3	0			

No. 1,207.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 56".

An Account of Strata sunk through from the High Main to the Low Main, in the E or Deep Pit, Jarrow Colliery. September, 1821.

Approximate surface level 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to <i>High Main</i> (including 3 fathoms of outset)	* 9 1 0			121 5 0			Brought forward	5	2	0	162	3	6
Blue metal stone ...	4	0	0				Blue stone ...	0	2	0			
White post ...	9	0	0				Ironstone girdle ...	0	0	4			
COAL—Metal Coal Seam ...	0	3	0	13	3	0	Grey metal and post girdles ...	0	4	8			
Blue metal stone and post girdles ...	3	5	0				Ironstone girdles ...	0	0	3			
Blue metal ...	1	0	0				Blue metal ...	0	0	9			
Blue metal and post girdles ...	0	4	0				Girdle ...	0	0	4			
Black stone and coal— <i>Stone Coal Seam</i> ...	0	0	6	5	3	6	Blue metal ...	0	0	8			
Blue metal and post girdles ...	0	5	4				Girdle ...	0	0	2			
Black slate ...	0	0	8				Blue metal ...	0	2	10			
Post mixture ...	1	1	0				Blue metal and post girdle ...	0	5	6			
Grey metal ...	1	2	0				Post girdle ...	0	0	6			
Blue metal ...	0	5	0				Grey metal ...	1	2	0			
Grey metal ...	1	3	6				Ironstone ...	0	1	0			
Black stone and coal	1	0	0				Blue metal and girdle	0	5	3			
Whin girdle ...	0	1	0				Post girdle ...	0	0	3			
Grey metal ...	0	3	6				Blue metal ...	1	1	0			
Blue metal ...	1	4	6				COAL — Bensham Seam ...	1	0	0	12	5	6
Grey metal ...	0	1	0				Grey metal and post girdles ...	2	1	6			
Post mixture and whin girdles ...	2	0	6				Black metal ...	2	0	6			
Blue metal and post girdles ...	0	2	0				<i>Six-Quarter Seam—</i>						
COAL—Yard Seam ...	0	3	0	12	3	0	COAL ...	0	1	3	4	3	3
Metal and post girdles	1	1	0				Blue metal and post girdles ...	1	5	4			
Black stone ...	0	1	0				COAL ...	0	2	0	2	1	4
Strong blue metal ...	0	2	9				Blue metal ...	1	0	6			
Ironstone ...	0	0	3				Grey metal ...	1	3	10			
Strong blue metal ...	1	1	0				COAL—5/4 Seam ...	0	3	0	3	1	4
Strong blue metal and post girdles ...	1	3	6				Grey metal and post	1	0	0			
Strong post girdles ...	0	1	6				Post ...	5	0	0			
Blue metal ...	0	2	4				Black stone ...	0	4	2			
Ironstone girdle ...	0	0	8				COAL—Low Main Seam ...	0	5	0	7	3	2
Carried forward	5	2	0	162	3	6	Total ...				193	0	1

* Approximate sea level (Ordnance datum).

NOTE.—The Oval Pit was sunk from the *High Main* to the *Low Main Seam*, the section being similar to that in the Deep Pit.

No. 1,208.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 26".

Boring in the Stone Drift, at Jarrow Colliery, East from the Shaft about 600 yards.
September, 1809.

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong coarse gravelly post ...	1	0	0				Brought forward				9	3	9
Strong white post ...	1	0	0				Grey metal ...	0	0	10			
Black stone, mixed with coal ...	0	0	6				Strong white post, mixed with whin in several places, and water ...	6	5	2			
Grey metal stone ...	0	3	0										
Strong grey post ...	0	2	0										
Strong grey post, mixed with whin ...	0	2	0				COAL ...	1	10				
Grey metal stone, with girdles ...	1	2	3				Blue grey metal ...	0	2½				
Black stone ...	0	4	0				COAL ...	0	9				
Grey metal stone ...	0	2	9				Slaty lump or band ...	0	1				
Grey scamy post ...	1	1	6				COAL ...	2	8½				
Blue and black metal	2	2	0							0	5	7	
COAL ...	0	0	8				Strong grey metal stone ...				7	5	7
Black slate, mixed with coal ...	0	1	1								0	0	10
				9	3	9							
Carried forward				9	3	9	Total ...				17	4	2

No. 1,209.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 28".

Bored in the second hole in the Stone Drift, at Jarrow, 50 yards West from the first hole. October, 1810.

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post, mixed with whin ...	3	0	6				Brought forward	6	1	8			
Grey metal stone ...	0	4	0				Strong metal stone, with hard whin lumps ...	1	0	0			
Strong white post ...	2	0	0				Soft black stone ...	0	1	6			
COAL ...	0	0	2				Strong metal stone, with whin lumps ...	2	3	0			
Soft black grey metal	0	3	0										
							Carried forward	10	0	2			
Carried forward	6	1	8										

No. 1,209.—JARROW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	2				Brought forward	12	4	10			
Black metal, with							White post ...	5	2	0			
girdles ...	2	3	0				COAL ...	0	1	3			
COAL ...	0	0	8								18	2	1
Grey metal stone ...	0	1	0				In grey metal stone...				1	0	0
Carried forward	12	4	10				Total ...				19	2	1

No. 1,210.—JESMOND.

TOWNSHIP OF JESMOND, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 58' 59", Long. 1° 35' 24".

Sunk and bored at the D Pit, Jesmond Colliery. May, 1829.

Approximate surface level 60 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	10	0	0				Brought forward				27	3	0½
	2	0	0			*	Soft metal stone ...	0	3	0			
Hard grey metal stone,							Grey metal stone ...	1	0	11			
with post girdles ...	2	0	0				COAL ...	0	0	7			
Post ...	1	2	0								1	4	6
Grey metal stone ...	1	1	0				Soft metal stone ...	0	2	11			
Post, with a good deal							Grey metal stone ...	0	2	3			
of water ...	2	3	0				Post girdles ...	0	1	6			
				19	0	0	Metal stone ...	0	3	2			
<i>Bored:—</i>							White post ...	0	5	8			
White post ...	3	3	0				Grey metal stone ...	0	2	1			
Metal stone ...	1	3	0				Dark metal ...	0	5	11			
Black stone and coal	0	1	2				Grey metal stone ...	0	3	6			
				5	1	2	Post girdles, with						
Metal stone ...	2	1	0				metal partings ...	0	2	9			
White post ...	0	4	2½				Grey metal stone ...	2	5	1			
Metal stone ...	0	0	5								7	4	10
Post girdles and metal													
stone ...	0	1	4										
COAL and black													
stone ...	0	0	11										
				3	1	10½							
Carried forward				27	3	0½	Total ...				37	0	4½

* Approximate sea level (Ordnance datum).

No. 1,211.—JESMOND.

TOWNSHIP OF JESMOND, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 22", Long. 1° 35' 57".

Sunk and bored at the Middle Pit, Jesmond Colliery, from Thill of High Main Seam.
Approximate surface level 165 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Sunk to the <i>High</i>	*	27 3 0						Brought forward	3	1	2	60	0	0
<i>Main Seam</i> ...		10 3 0						Grey post girdle ...	0	1	0			
Further to the <i>Metal</i>								Grey and dark metal						
<i>Coal Seam</i> ...		5	3	0				stone, with post						
Thill ...		2	0	0				girdles ...	3	5	1			
Grey metal stone ...		0	1	0				Soft grey metal ...	0	0	7			
Grey metal stone, with								<i>Bensham Seam</i> —						
post girdles ...		0	2	7				Ft. In.						
Strong white post,								COAL , with						
with thin partings		0	3	9				water, rather						
Grey metal stone ...		0	4	8				tender, and						
COAL ...		0	0	7				foul 4 inches						
					9	3	7	at bottom ...	2	2				
Black stone ...		0	0	9				COAL , foul...	0	8				
Grey metal ...		0	0	6								0	2	10
Grey metal stone ...		1	1	2										
Dark grey metal ...		0	0	9								7	4	8
COAL ...		0	0	3										
					1	3	5	Sunk ...				67	4	8
Grey metal and metal								<i>Bored from thill of</i>						
stone, with post								<i>Bensham Seam</i> —						
girdles ...		5	1	0				Cut through scaffold						
Dark metal ...		0	0	3				for box, etc. ...	0	4	0			
COAL , with foul								Strong white post,						
bands— <i>Yard Seam</i>		0	1	8				with whin girdles						
					5	2	11	and metal partings,						
Grey metal ...		0	1	0				at 3 fathoms water						
Dark metal ...		0	0	6				at bottom ...	6	4	0			
COAL ...		0	0	2				Black slaty metal,						
					0	1	8	scared with coal ...	0	0	6			
Black metal ...		0	0	3								7	2	6
Grey metal stone, with								Grey metal ...	0	2	6			
post girdles ...		0	5	2				Strong grey metal						
Strong white post ...		1	4	6				stone ...	3	4	3			
Grey metal stone, with								White and grey post,						
post girdles ...		2	0	9				with scared partings	7	1	6			
COAL ...	Ft. In.							Whin and a mixture						
Grey metal ...	0 6							of whin and white						
COAL ...	0 10							post, with a metal						
		0	1	9				parting of 4 inches						
					5	0	5	at 2 feet 6 inches						
Grey metal and metal								from top (got June						
stone ...		0	4	0				19th, through July						
Strong white post ...		1	2	0				3rd, 38 shifts) ...	2	0	8			
Grey metal stone ...		0	5	0				COAL ...	0	0	4			
Darkish metal ...		0	2	2								13	3	3
								Blue grey metal ...	0	1	11			
Carried forward		3	1	2	60	0	0	Carried forward	0	1	11	88	4	5

* Approximate sea level (Ordnance datum).

No. 1,211.—JESMOND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	11	88	4	5
Low Main Seam—						
Ft. In.						
COAL, with						
water, rather						
tender, and						
burns to a						
white ash ...	3	5				
COAL, foul,						
and slaty me-						
tal ...	1	3				
COAL, wet,						
and burns to						
a white ash...	2	5				
	1	1	1			
				1	3	0
Dark grey metal (9						
inches) and metal						
stone with post gir-						
dles afterwards ...	3	0	7			
Mixture of whin and						
white post (from						
July 9th to 11th,						
5 shifts) ...	0	2	0			
Grey metal stone, with						
post girdles ...	0	4	9			
Whin (got July 12th,						
through 14th, 4						
shifts) ...	0	1	2			
Carried forward	4	2	6	90	1	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	6	90	1	5
Grey metal stone and						
post girdles ...	0	4	9			
White and grey post,						
mixed with whin						
and sulphur near						
bottom ...	0	4	11			
Whin (got July 16th,						
through 18th, 6						
shifts) ...	0	0	7			
Grey metal stone, with						
post girdles ...	2	3	0			
Strong white post and						
metal stone parting	1	5	5			
Grey and dark grey						
metal stone, with						
post girdles ...	1	5	2			
Strong white and grey						
post ...	0	5	0			
Grey metal stone, with						
post girdles ...	0	3	6			
Strong white and grey						
post ...	0	5	3			
				14	4	1
Total ...				104	5	6

No. 1,212.—JOB'S HILL.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 49", Long. 1° 43' 46".

Section of Strata sunk through to Main Coal Seam, at Job's Hill Colliery.

Approximate surface level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and outset ...	0	4	0			
Clay, mixed with sand	1	5	0			
Sand, with gravel and						
water ...	1	0	0			
Carried forward	3	3	0			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	0			
Soft grey metal, with						
post girdles ...	1	2	3			
Carried forward	4	5	3			

No. 1,212.—JOB'S HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	3				Brought forward	0	4	10	20	1	0
Strong post, with metal partings ...	1	0	4				Blue metal, with girdles ...	1	4	0			
Soft grey metal ...	0	4	0				Dark grey metal stone	2	0	0			
COAL ...	0	0	9				Strong post girdle ...	0	0	8			
				6	4	4	Metal stone ...	0	0	6			
Grey metal, with post girdles ...	1	3	0				Strong post girdle ...	0	0	8			
Strong post ...	1	0	0				Blue metal stone ...	0	3	10			
Blue metal ...	0	1	8										
Ironstone girdles ...	0	0	1½				<i>Harvey Seam—</i>						
Blue metal ...	0	1	8				COAL , tender	Ft.	In.				
Ironstone girdles ...	0	0	1½				Band ...	0	2				
Blue metal ...	0	1	4				COAL ...	2	1				
Ironstone girdles ...	0	0	1½							0	3	0	
Blue metal ...	0	0	7								5	5	6
Ironstone girdle ...	0	0	2½				Grey metal and girdles	1	3	0			
Blue metal ...	0	0	8				COAL ...	0	0	1			
Ironstone ...	0	0	1½				Grey metal ...	0	3	0			
Blue metal ...	0	1	0				Strong post, with metal partings ...	3	5	2			
Ironstone ...	0	0	2				COAL ...	0	1	0			
Blue metal ...	0	0	11								6	0	3
Ironstone ...	0	0	1½				Strong post girdles, with metal partings	2	5	6			
Blue metal ...	0	3	3				Grey metal ...	0	1	0			
Ironstone ...	0	0	1				COAL —5/4 or Busty Seam ...	0	3	0			
Blue metal ...	0	1	9								3	3	6
Ironstone ...	0	0	4				Fire stone ...	0	1	0			
Blue metal, with iron balls ...	1	1	0				Strong post ...	6	4	6			
Blue metal ...	0	3	6										
COAL ...	0	0	6				<i>Top or B Seam—</i>						
				6	4	3	COAL ...	Ft.	In.				
Grey blue stone ...	0	4	0				Grey metal	4	10				
Grey blue stone, with coal pipes and water	0	0	6				COAL ...	1	4				
Strong grey metal, with water ...	0	4	6							1	2	2	
Strong post, with whin ...	1	4	6								8	1	8
Grey metal stone ...	0	5	0				Blue metal ...	2	0	0			
Fire clay ...	0	0	8				Post ...	8	0	1			
COAL , good ...	0	1	11										
				4	3	1	<i>Main Coal or Brockwell Seam—</i>						
Fire clay ...	0	2	6				COAL ...	Ft.	In.				
Strong post, with whin	0	2	6				Splint ...	0	2				
Blue metal stone ...	1	2	2							0	4	3	
COAL ...	0	0	2								10	4	4
				2	1	4							
Grey metal stone ...	0	4	0				Total ...				*54	4	3
Ironstone, not good ...	0	0	10										
Carried forward	0	4	10	20	1	0							

* Approximate sea level 271¼ feet below this.

No. 1,213.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Bored at Kelloe, in the Bank Side, near to and opposite the Church. 1787.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	0	5	0			
Brown limestone, with soft partings and some feeders of water	14	1	0			
Blue limestone	1	2	0			
Blue metal stone, with hard girdles or lumps	0	3	0			
Whin	0	1	10			
White metal	0	4	0			
Grey metal, with red scames	5	0	8			
COAL , foul... ..	0	0	6			
				23	0	0
Grey metal, with hard lumps	2	3	0			
Strong grey metal stone	0	3	0			
Strong white post, mixed with whin ...	1	0	6			
Strong grey metal ...	5	4	6			
Strong grey post, mixed with whin, with water at top...	1	3	0			
Grey metal stone, with post girdles	2	4	0			
Carried forward	14	0	0	23	0	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	0	0	23	0	0
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL , hard,						
foul, splinty	1	0				
Grey metal,						
with scares						
of coal ...	0	7				
COAL ...	0	7				
Grey metal ...	1	3				
COAL , foul	0	7				
	—			0	4	0
				14	4	0
Grey metal, scared						
with coal	0	1	1			
Black stone, mixed						
with coal	0	1	7			
				0	2	8
COAL , coarse— <i>Five-</i>						
<i>Quarter Seam</i> ...	0	3	7			
In grey metal stone...	1	2	3			
				1	5	10
Total				40	0	6

No. 1,214.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of a Boring in Kelloe Estate, in the third Field on the left hand side of the Lane leading from Kelloe to Cassop Hill.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft marly limestone	5	0	0				Brought forward	22	2	9	30	3	3
Strong brown lime- stone, with water at 16 fathoms 4 feet from the surface ...	17	3	0				Three-Quarter Seam—						
				22	3	0	Black stone,						
Blue metal ...	0	3	7				scared with	Ft.	In.				
Whin ...	0	1	0				coal ...	2	0				
Grey metal stone ...	0	4	5				COAL ...	0	8				
Red metal ...	0	1	0				Grey metal ...	0	5				
Red and blue metal...	0	1	6				COAL, foul	0	1				
Blue metal ...	1	5	9				Grey metal,						
Grey metal ...	1	2	0				scared with						
Strong grey metal stone and post gir- dles ...	2	2	5				coal ...	0	10				
Whin ...	0	2	7				COAL ...	0	5				
				8	0	3	Grey metal ...	0	2				
Grey metal stone ...	0	4	0				COAL, foul	0	7				
Black metal ...	0	0	3				Grey metal ...	0	10				
Strong grey metal stone, with post girdles ...	14	4	6				COAL ...	1	1				
Strong white post ...	3	0	0							1	1	1	
Grey metal ...	0	0	6										23 3 10
Strong white post ...	2	0	0				Grey metal ...	0	0	1			
Grey metal ...	0	3	0				Black metal ...	0	0	5			
Whin ...	0	0	5				COAL—5/4 Seam ...	0	3	9			
Grey metal ...	0	3	0								0	4	3
Dark metal ...	0	3	4				Black metal stone,						
Grey metal ...	0	1	9				mixed with <i>splinty</i>						
							coal ...	0	1	5			
Carried forward	22	2	9	30	3	3	Grey metal (left off April, 1837) ...	0	1	6			
											0	2	11
							Total ...				55	2	3

No. 1,215.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 37", Long. 1° 27' 48".

Account of Strata sunk and bored through in Kelloe Freehold. 1838.

Approximate surface level 440 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	1	2	0										
Strong gravelly clay, with tumbling stones and sand ...	13	2	0										
Blue stone, with post girdles ...	3	0	0										
Main Coal Seam—													
COAL, coarse,													
top ...	0	6											
Band } cast {	0	0½											
COAL } back {	0	2½											
Band }	0	0¼											
COAL, good	2	9¼											
	0	3	6½	18	1	6½							
Grey thill ...	0	5	0										
Blue stone ...	1	0	0										
Black stone ...	0	0	7										
COAL ...	0	0	5	2	0	0							
Grey thill ...	0	2	0										
Black stone ...	0	3	4										
Grey post ...	0	3	8										
COAL ...	1	5											
Band ...	0	3											
COAL ...	0	5		0	2	1	1	5	1				
Grey thill ...	0	3	0										
Grey metal ...	2	3	5½										
White post ...	6	3	3										
COAL—Low Main	0	3	0	10	0	8½							
Grey thill ...	0	3	0										
Grey metal post ...	1	3	0										
COAL (April 21st, 1838) ...	0	1	0	2	1	0							
Total sunk				34	2	4							
Bored further in 1839:—													
Mild grey post ...	0	1	9										
Blue stone ...	0	2	0										
White post ...	1	3	4										
Carried forward	2	1	1	34	2	4							
Brought forward	2	1	1	34	2	4							
Mild parting...	0	0	4										
White post ...	1	3	9										
Parting ...	0	0	2										
White post ...	0	5	2										
Parting ...	0	0	2										
White post ...	0	3	6										
Blue stone ...	0	2	0										
Grey post ...	0	3	2										
White post ...	0	5	3										
Parting ...	0	0	2										
White post ...	1	3	0										
Parting ...	0	0	2										
White post ...	1	2	10										
Blue stone ...	0	2	0										
Black stone, with coal pipes ...	0	2	2										
COAL ...	0	1	6	11	0	5							
Clay ...	0	3	0										
Grey post ...	0	3	8										
Blue stone ...	1	2	0										
COAL—Brass Thill	0	2	0	2	4	8							
Clay ...	0	0	6										
Blue stone and post girdles ...	0	5	5½										
Blue metal, with grey post girdle...	1	1	10										
COAL ...	0	0	6										
Thill ...	0	0	10										
Grey post ...	0	3	0										
Blue metal ...	0	2	8										
White post, with part- ings ...	1	1	8										
COAL ...	0	1	1										
Thill ...	0	1	0										
Blue metal, with post girdles and blue stone ...	1	0	11										
White post ...	1	1	2										
Blue metal ...	0	0	9										
Strong white post ...	1	0	7										
Strong white post, with partings (left off boring, August 8th, 1840)...	0	3	3	9	1	2							
Total ...				*57	2	7½							

No. 1,216.—KELLOE:

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. $54^{\circ} 43' 36''$, Long. $1^{\circ} 27' 49''$.

*An Account of Strata sunk through at East Hetton or Kelloe Colliery North Pit.
1836.*

Approximate surface level 425 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	1	1	2			
Limestone and marl...	1	0	0			
Limestone ...	24	0	0			
Grey metal stone ...	0	2	10			
Grey whin girdle ...	0	2	10			
Red metal stone ...	1	0	0			
Red whin girdle ...	0	0	6			
Red metal stone ...	1	5	6			
Red post stone ...	0	3	0			
Red whin ...	0	2	3			
White post and water	0	0	9			
Blue metal ...	1	4	6			
Black stone ...	0	4	0			
COAL ...	0	0	2			
				33	3	6
Thill ...	0	4	0			
Blue metal stone ...	1	0	0			
COAL ...	0	0	6			
				1	4	6
Thill ...	0	4	0			
Grey metal stone (2 feet into it is a wedging crib) ...	9	0	9			
White post, with metal partings and water	7	2	0			
Grey metal stone ...	1	1	1			
Black stone ...	0	4	0			
Black cam ...	0	0	3			
Grey metal, with post girdles ...	0	2	8			
Black stone ...	0	2	4			
Thill stone ...	0	0	6			
Three-Quarter Seam—						
COAL ...	0	10				
Thill ...	1	4				
COAL ...	1	0				
Thill ...	0	2				
COAL ...	0	3				
Thill ...	0	7				
COAL ...	1	0				
Thill ...	0	2				
COAL ...	0	3				
Thill ...	0	2				
				0	5	9
				20	5	4
Carried forward				56	1	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				56	1	4
Five-Quarter Seam—						
COAL ...	3	11				
Splint ...	0	2				
COAL ...	0	3				
Splint ...	0	2				
				0	4	6
				0	4	6
Black stone, with partings ...	0	2	8			
COAL ...	0	0	8			
Black stone ...	0	0	8			
Grey metal stone ...	3	0	11			
COAL, coarse ...	0	2	8			
				4	1	7
Grey post stone ...	1	5	4			
Dark blue stone ...	0	4	0			
Main Coal Seam—						
COAL, top ...	1	3				
Stone band..	0	6				
COAL ...	2	10				
				0	4	7
				3	1	11
Thill ...	0	2	10			
Grey post ...	0	2	0			
Grey metal ...	1	5	2			
Black stone and coal	0	1	9			
				2	5	9
Thill ...	0	0	6			
Grey metal, with post girdles {	3	1	5			
	0	4	5			
Grey post ...	2	2	6			
Metal partings ...	0	0	3			
Whin stone ...	0	1	1			
Strong white post ...	1	1	6			
COAL — Maudlin Seam ...	0	1	2			
				8	0	16
Thill ...	0	1	6			
White post ...	0	2	0			
Strong grey metal ...	1	5	8			
Black stone and coal	0	1	7			
				2	4	
Strong grey metal ...	1	2	1			
Blue metal ...	1	4	0			
Post girdles ...	0	0	4			
Grey metal ...	0	1	0			
Carried forward	3	1	5	78	2	8

* Approximate sea level (Ordnance datum).

KK

No. 1,216.—KELLOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	5	78	2	8
White post ...	0	2	1			
Grey post and water...	0	4	8			
White post girdles ...	0	1	0			
Grey post ...	0	3	6			
White post and water	2	4	6			
Whin ...	0	1	2			
White post ...	2	2	10			
COAL — <i>Low Main</i>						
<i>Seam</i> ...	0	2	4			
				10	5	6
Black stone ...	0	0	10			
White thill stone ...	0	2	8			
Post ...	2	5	1			
Whin ...	0	0	8			
Grey shivery stone ...	0	3	8			
Grey metal ...	0	5	0			
Grey post ...	0	2	8			
Blue metal ...	0	4	2			
Black stone ...	2	0	11			
Grey metal ...	4	5	0			
Post girdles ...	0	1	5			
Grey metal ...	0	2	11			
Post ...	0	2	3			
Grey metal ...	0	2	3			
Grey post ...	0	3	1			
Grey metal ...	0	0	7			
Grey post ...	0	5	9			
Grey metal ...	0	2	0			
Black stone ...	0	0	3			
COAL — <i>Brass Thill</i>						
<i>Seam</i> ...	0	2	2			
				16	5	4
Brass ...	0	0	1			
Dark thill stone ...	0	0	4			
White post ...	1	2	6			
Grey post ...	1	1	6			
Grey metal, with iron-						
stone girdles ...	2	1	4			
Black stone ...	0	1	3			
Carried forward	5	1	0	106	1	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	0	106	1	6
<i>Hutton Seam</i> —						
COAL ...	Ft.	In.				
Dark thill ...	0	3½				
Splint ...	0	2				
COAL ...	0	1				
				0	3	4½
						5 4 4½
Strong grey post ...	0	0	6			
Grey metal stone ...	2	5	0			
Grey post ...	0	3	0			
Dark metal ...	0	3	0			
Strong metal stone ...	2	5	3			
Brown metal. .	0	0	10			
COAL ...	0	0	6			
						7 0 1
Metal stone and post						
girdles ...	2	0	0			
Strong —, with sul-						
phur ...	1	5	10			
Grey metal stone ...	0	4	6			
COAL ...	0	0	3			
						4 4 7
Dark grey metal ...	6	3	3			
Grey post and part-						
ings ...	1	0	0			
Grey metal ...	0	4	0			
White post ...	0	1	2			
Dark metal, mixed						
with coal ...	0	1	0			
Strong grey metal ...	0	3	5			
Whin ...	0	0	10			
Grey metal stone ...	1	0	9			
Dark metal ...	0	0	4			
COAL , a little tender						
and makes a good						
cinder — <i>Harvey</i>						
<i>Seam</i> ...	0	3	6			
						11 0 3
Total ...						134 4 9½

No. 1,217.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 44' 54", Long. 1° 25' 50".

Strata bored through in the low part of Kelloe Royalty. 1855.

Approximate surface level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	3	8			
Gravel and clay mixed	1	1	0				Clay and marl mixed	0	4	4			
Good clay ...	0	1	8										
Carried forward	1	3	8				Carried forward	2	2	0			

No. 1,217.—KELLOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	0				Brought forward	10	0	0	55	3	10
Marly limestone ...	24	1	0				Red metal ...	0	2	4			
Brown limestone ...	24	1	3				White post ...	0	2	1			
Blue limestone ...	0	2	0				Grey metal ...	0	0	4			
Dark metal ...	0	0	6				White post ...	0	1	8			
Blue limestone ...	2	0	11				Red post ...	2	0	10			
Dark metal ...	0	1	1				Whin ...	0	2	5			
Blue limestone ...	0	5	2				White post ...	1	0	5			
Dark metal ...	0	0	3				Grey metal, with post	6	2	11			
Blue limestone ...	1	1	8				girdles ...	4	3	2			*
				55	3	10	Strong white post ...	0	1	7			
Dark metal ...	0	2	0				Dark grey metal ...	0	0	10			
Post girdle ...	0	0	5				Black stone ...	0	0	3			
Dark metal ...	0	1	5				Grey metal ...	0	1	9			
Post ...	0	2	9				Three-Quarter Seam—						
Grey metal, with gir-							Black stone,						
dles ...	0	2	8				mixed with	Ft.	In.				
Post ...	0	0	8				coal ...	0	9				
Grey metal ...	0	1	5				COAL ...	0	3				
Post ...	0	0	7				Soft band,						
Grey metal ...	0	3	1				mixed with						
Red metal ...	0	4	4				coal ...	0	4½				
Post ...	0	0	7				Stone band ...	0	4				
Grey metal ...	0	0	9				COAL ...	0	3				
Red post ...	0	2	6				Stone band ...	0	2½				
Grey metal ...	0	0	8				COAL ...	1	3½				
Dark post ...	0	2	6				Stone band ...	0	3¼				
Grey metal ...	0	2	5				COAL ...	1	0¾				
Red metal ...	0	3	5				Stone band ...	0	3				
Blue metal ...	0	3	4						0	5	0½		
Red post ...	2	1	7								27	1	7½
Whin ...	0	2	0				COAL—5¼ Seam ...	0	3	6½			
White post ...	1	1	9				Soft thill ...	0	0	9			
Brown metal...	0	0	9								0	4	3½
White post ...	0	0	5										
Carried forward	10	0	0	55	3	10	Total ...				83	3	9

No. 1,218.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 36", Long. 1° 27' 48".

Account of Strata sunk through at Kelloe New Pit. Commenced to sink April 14th. 1856.

Approximate surface level 435 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	45	1	6½			
Clay and gravel ...	2	1	6				Blue limestone ...	0	2	8			
Marly limestone ...	19	0	3				Blue and yellow lime-						
Yellow honeycomb							stone ...	3	5	1			
limestone ...	23	4	9½				Yellow limestone ...	1	2	11			
Carried forward	45	1	6½				Carried forward	51	0	2½			

* Approximate sea level (Ordnance datum).

AN ACCOUNT OF THE STRATA OF
No. 1,218.—KELLOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	51	0	2½				Carried forward	26	4	2	55	3	6½			
Blue and yellow lime-							Three-Quarter Seam—									
stone ...	3	4	10				Ft. In.									
Yellow shaly lime-							COAL ...	1	4							
stone ...	0	4	6				Band ...	0	6½							
				55	3	6½	COAL ...	0	3							
Dark metal ...	0	3	10				Band ...	0	1							
Strong white post ...	0	3	0				COAL ...	0	6							
Grey metal ...	0	1	0				Band ...	0	2							
Grey post ...	0	2	11				COAL ...	0	6							
Grey metal ...	0	1	8				Band ...	0	4							
Post girdles ...	0	0	7				COAL ...	0	7½							
Red metal, with whin							Band ...	0	1½							
girdles ...	1	0	11				COAL ...	0	2¾							
Strong coarse post ...	1	2	0				Band ...	0	3							
Red shale post ...	2	5	7							0	4	11				
White post ...	0	2	0										27	3	1	
Brown whin ...	0	2	0				Five-Quarter Seam—									
Hard post, with red							Ft. In.									
scars ...	1	2	0				Splint ...	0	1¾							
Red metal ...	0	0	5				COAL, good	3	6							
Red girdle ...	0	0	8													
Red metal ...	0	2	6							0	3	7¾				
White post ...	0	2	9										0	3	7¾	
Grey metal ...	0	0	4													
Red post ...	2	4	8													
Brown whin ...	0	2	6													
White post ...	0	5	10													
Blue metal ...	0	3	1													
Grey metal ...	0	5	0													
Dark metal ...	0	4	2½													
	1	3	9½			*										
Grey metal and post																
girdles ...	7	3	0													
White post ...	0	1	4													
Black stone ...	0	0	10													
Blue metal ...	0	1	9													
Carried forward	26	4	2	55	3	6½										

No. 1,220.—KENTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	18	2	2	55	2	10		Brought forward	7	4	6	90	5	6
Grey metal ...	0	2	0					Grey metal, with a mixture of <i>coal</i> at bottom	0	1	6			
Grey metal stone, with girdles ...	2	0	0					Grey metal stone ...	0	2	2			
Strong white post, with whin girdles, scamy partings, and water ...	5	1	7					COAL , with water...	0	0	10			
<i>Benwell Main Seam—</i>												8	3	0
COAL ...	Ft.	In.						Grey metal ...	0	0	6			
	2	5						White post ...	0	1	6			
Black slaty metal, mixed with <i>coal</i> ...	0	3						Grey metal ...	0	2	6			
COAL , foul slaty ...	1	0						Whin ...	0	0	4			
				0	3	8		Strong white post, with metal partings	0	3	0			
				26	3	5		Whin ...	0	1	0			
Grey metal ...	1	3	0					Strong white post ...	0	2	0			
Strong white post ...	5	0	9					Grey metal stone, with hard girdles or lumps and a soft parting with water	1	3	6			
Black grey stone ...	2	0	0					COAL ...	0	0	8			
												3	3	0
	Ft.	In.						Grey metal stone ...	0	0	4			
COAL ...	0	9						Strong grey and white post ...	0	1	6			
Blue grey metal	0	5						Grey metal stone, with hard girdles ...	0	5	6			
COAL ...	0	4						Strong white post ...	0	5	0			
				0	1	6		Whin ...	0	4	2			
				8	5	3		Strong white post, mixed with whin ...	1	2	6			
Blue grey metal ...	0	3	6					Blue metal ...	0	3	0			
Strong white post ...	0	4	7					Mixture of whin girdles or lumps ...	0	0	4			
Grey metal stone, with girdles ...	0	4	8					Blue metal ...	0	0	10			
Strong white post ...	0	1	3					COAL — <i>Beaumont Seam</i> ...	0	3	10			
Grey metal stone, with girdles ...	3	3	0									5	3	0
Grey metal, with scares of <i>coal</i> ...	0	2	0					Grey and blue scamy metal stone ...				0	1	6
Grey metal stone ...	1	3	6											
Carried forward	7	4	6	90	5	6		Total ...				108	4	0

No. 1,221.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Boring from Thill of Seven-Quarter or Kenton Main Coal, within Wagonway Drift, by Messrs. Bedlington and Partners, through that seam to East Kenton Colliery, about 140 yards West of Boundary between East and West Kenton. November, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal stone ...	0	2	0				Brought forward	1	0	0			
Strong grey post ...	0	4	0				Grey post, mixed with girdles and water...	1	3	0			
Carried forward	1	0	0				Carried forward	2	3	0			

No. 1,221.—KENTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	0				Brought forward	4	0	2	10	1	10
Grey metal stone ...	4	0	0				Strong white post,						
Grey metal stone, with							with water ...	0	5	0			
post girdles ...	3	3	0				Metal stone ...	0	1	6			
COAL , slaty ...	0	1	10				Strong white post ...	0	5	0			
				10	1	10	White post ...	0	1	6			
Dark grey metal ...	0	3	2				Metal stone ...	0	4	6			
White post ...	0	1	6				COAL , good ...	0	3	2			
Strong grey metal											7	2	10
stone, with a post													
girdle ...	1	1	6				In grey metal stone,				0	2	4
Metal stone ...	2	0	0				entering white post						
Carried forward	4	0	2	10	1	10	Total ...				18	1	0

No. 1,222.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Bored in East Kenton, from Thill of Seven-Quarter or Kenton Main Coal, in an old Shaft, in Town Street of East Kenton, to Five-Quarter Coal.
November 18th, 1796.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to 7/4 Seam ...	46	3	0				Brought forward				60	3	2
Box ...	0	4	0				Grey metal stone ...	0	5	0			
Soft ramby metal ...	0	3	0				Whin ...	0	1	0			
Black stone, mixed							Grey post ...	0	1	4			
with coal ...	0	0	10				Whin ...	0	1	2			
Grey metal, with gir-							Grey metal and girdles	4	3	3			
dles ...	3	4	0				Black stone ...	0	0	9			
Whin ...	0	1	0				COAL —lower part of						
Grey metal and metal							5/4 Seam ...	0	0	4			
stone, with girdles											6	0	10
and water at 9 fa-							Blue metal ...	0	4	0			
thoms ...	8	4	2				Black metal ...	0	0	9			
COAL , hard, sup-							White post ...	0	1	2			
posed 5/4 Seam ...	0	1	2				Blue metal ...	0	1	8			
				60	3	2					1	1	7
Carried forward				60	3	2	Total ...				67	5	7

No. 1,223.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 48", Long. 1° 40' 25".

Bored in West Kenton, in James King's Farm, in Weaver's Close, 3 yards South of the Fence between the Kenton and Burradon Estates, and 12 yards East of Fence between the said Close and the Newcastle Turnpike Road. May 28th, 1794.

Approximate surface level 244 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay,							Brought forward				23	3	10
with tumblers ...	1	2	0				Black grey metal,						
Soft grey metals ...	2	2	0				scared with coal ...	0	2	0			
Black metal ...	0	1	0				COAL ...	0	0	6			
Grey metal stone ...	0	5	4								0	2	6
COAL , foul...	0	0	4				Grey metal ...	0	1	0			
Grey metal stone, with							Grey scamy post, with						
girdles ...	0	3	4				partings and water	2	3	0			
Brown and grey scamy							Strong grey metal						
post, with partings							stone, with post gir-						
and water ...	6	3	6				dles and water ...	9	4	6			
Grey metal stone ...	0	1	6				Grey metal ...	0	0	2			
COAL ...	0	0	7				<i>Five-Quarter or New-</i>						
Dark grey metal ...	0	0	9				<i>biggin Stone Coal</i>						
Grey post ...	1	5	0				<i>Seam—</i>	Ft.	In.				
Grey metal stone ...	4	1	6				COAL ...	0	7				
COAL ...	0	1	4				Blue grey metal	0	6				
				18	4	2	COAL ...	0	9				
Grey scamy post, with							Black metal,						
girdles ...	0	3	0				scared with						
Grey metal stone, with							coal ...	0	9				
girdles ...	3	1	10				COAL ...	2	2				
										0	4	9	
COAL ...	Ft.	In.									13	1	5
... 4 11							Grey metal ...	0	0	5			
Black grey me-							Strong grey metal,						
tal ... 0 8							with scares of coal	0	0	10			
COAL , foul,											0	1	3
slaty ... 1 3													
				1	0	10							
				4	5	8							
Carried forward				23	3	10	Total ...				*37	3	0

* Approximate sea level 19 feet below this.

No. 1,224.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 50", Long. 1° 32' 57".

Strata sunk through at Kepier Colliery, near Durham.

Approximate surface level 293 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	0				Brought forward				43	5	11
Clay ...	1	0	0				Bored in 1818:—						
Sand ...	2	0	0				Blue metal ...	2	1	0			
Clay ...	12	5	0				Post girdle ...	0	1	0			
Sandstone ...	13	2	0				Blue metal ...	0	1	4			
COAL—Low Main							White post ...	2	0	0			
Seam ...	0	3	0				Blue metal and coal {	0	1	9			*
				30	4	0		0	2	3			
Blue metal ...	4	0	0				Post ...	0	3	0			
COAL—Brass Thill							Grey metal ...	3	0	0			
Seam ...	0	1	2				Post ...	1	0	9			
				4	1	2	COAL, left off in						
Blue metal, in which							(being stopped by						
are two small seams							water issuing out						
of coal, each 4 in....	5	5	0				the whole size of the						
Whin stone ...	0	3	0				hole, and flying 2						
Black stone ...	1	4	6				feet above the top						
Post girdles ...	0	1	6				of the hole; a plug						
Blue metal ...	0	0	10				was put in and a						
COAL—Hutton Seam	0	3	11				prop set upon it to						
				9	0	9	keep it down) ...	0	0	3			
											9	5	4
Carried forward				43	5	11	Total ...				53	5	3

* Approximate sea level (Ordnance datum).

No. 1,225.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Strata sunk through in the Engine Pit, Kepier Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose metal, with							Brought forward	3	3	4			
large stones in it ...	3	0	6				Dark blue stone ...	2	0	2			
COAL, coarse—Brass							COAL ...	0	0	10			
Thill ...	0	1	0				Thill stone ...	0	2	8			
Thill stone ...	0	1	10				COAL ...	0	0	8			
Carried forward	3	3	4				Carried forward	6	1	8			

LL

No. 1,225.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	8				Brought forward				13	0	
Thill stone	0	1	8				Thill stone	0	1	0			
Blue stone and post							Post stone, much bro-						
girdles	0	4	8				ken, with trouble...	1	5	4			
Post stone	2	2	3				Blue stone	1	4	0			
Dark grey metal stone	2	3	3				Grey metal	2	2	0			
Hutton Seam—											6	0	4
COAL, good	Ft.	In.											
COAL, bottom	3	10											
	0	10											
	—	0	4	8									
				13	0	2							
Carried forward				13	0	2	Total				19	0	6

No. 1,226.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through at the Kepier Colliery New Pit, about a mile and a quarter North of Durham.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth and clay	0	4	0				Brought forward	5	4	0	26	2	10
Quicksand	1	2	0				COAL—Brass Thill						
Loamy blue clay	1	0	0				Seam	0	1	0			
Strong blue clay and											5	5	0
gravel beds	16	0	0				Blue stone	0	3	0			
Freestone	7	0	0				Whin, with a large						
COAL — Low Main							feeder of water ...	0	4	0			
Seam	0	2	10				Blue and grey metal	6	3	0			
				26	2	10	Post girdle	0	1	0			
Thill stone	0	4	0				Blue metal	0	0	10			
Grey metal	5	0	0				COAL—Hutton Seam	0	3	10			
											8	3	8
							In grey metal girdles				5	0	0
Carried forward	5	4	0	26	2	10	Total				45	5	6

No. 1,227.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata taken in Kepier Pit by R. Elliott, when taking the Brattice out.
April 1st, 1822.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	2	0	12	1	10
Clay mixture ...	5	1	2				Blue stone ...	0	1	3			
Gulley freestone ...	3	2	8				Ironstone ...	0	0	10			
Blue stone ...	2	3	0				Blue stone ...	3	0	2			
COAL ...	1	0	0				Coarse ironstone ...	0	1	0			
				12	1	10	Blue stone ...	15	0	6			
Thill ...	0	3	6				COAL ...	0	0	8			
Blue stone ...	0	4	6								25	0	5
Coarse ironstone ...	0	1	0				Thill ...	0	3	0			
Blue stone ...	4	2	0				Blue stone, top of						
White post ...	0	3	0				water ...	0	4	0			
											1	1	0
Carried forward	6	2	0	12	1	10	Total ...				38	3	3

No. 1,228.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 33", Long. 1° 32' 33".

An Account of the Boring in Kepier Royalty, near the river side, in the wood near the Old Engine Pit, by George Stott. 1852.

Approximate surface level 204 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish ...	3	4	0				Brought forward	8	5	9	7	5	6
Grey post ...	1	2	0				Hutton Seam—						
Grey metal girdles ...	2	4	6				Ft. In.						
COAL—Brass Thill							COAL ...	4	0				
Seam ...	0	1	0				Grey metal ...	0	2				
				7	5	6	COAL, coarse	1	0				
Grey metal ...	0	4	0							0	5	2	
Grey post ...	1	2	0								9	4	11
COAL ...	0	0	6				Grey metal ...	2	4	0			
Grey metal post girdles	2	0	0				COAL ...	0	0	6			
Grey post ...	2	4	0				Grey metal stone ...	3	4	0			
Grey metal ...	0	1	0				White post ...	3	1	0			
Grey post ...	0	2	0				Grey metal ...	0	1	0			
Grey metal girdles ...	1	4	3										
Carried forward	8	5	9	7	5	6	Carried forward	9	4	6	17	4	

AN ACCOUNT OF THE STRATA OF
No. 1,228.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	4	6	17	4	5
COAL ...	0	0	6			
Strong grey post ...	3	2	6			
Grey metal girdles }	0	3	1			
	6	1	11			*
COAL—Harvey Seam	0	1	8			
				20	2	2
Grey metal ...	9	1	6			
White post ...	0	0	6			
Whin ...	0	1	0			
Grey metal, with post						
girdles ...	1	3	0			
White post ...	5	1	0			
COAL ...	0	1	0			
				16	2	0
Grey metal ...	1	0	0			
Grey post ...	1	4	6			
White post, mixed						
with whin...	14	4	9			
Carried forward	17	3	3	54	2	7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	3	3	54	2	7
Grey metal ...	1	2	6			
COAL ...	0	1	8			
				19	1	5
Grey metal ...	0	3	0			
Grey post ...	0	3	0			
Grey metal ...	2	1	0			
Grey post ...	0	3	4			
Dark metal ...	0	2	6			
Busty Seam—						
COAL ...	0	8				
Metal, with coal	2	8				
COAL ...	2	1				
				0	5	5
Dark metal ...	0	1	3			
Left off in strong post	0	1	6			
				5	3	0
Total ...				79	1	0

* Approximate sea level (Ordnance datum).

No. 1,229.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through in No 2 Shaft, Florence Pit, Kepier Colliery. 1874.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.		
Soil	...	...	0	2	0				Brought forward	13	2	0				
Gravel	...	...	0	1	3				Hutton Seam—							
Sand	...	...	0	0	5						Ft.	In.				
Clay	...	...	10	0	0				COAL	...	4	0				
Post	...	...	2	0	4				Seggar	...	0	6				
Blue metal	...	...	0	4	0				COAL, bot-							
									tom	...	1	0				
											—		0	5	6	
													—	14	1	6
Carried forward			13	2	0				Carried forward					14	1	6

No. 1,229.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				14	1	6
Grey metal ...	0	5	0			
Post girdle ...	0	1	0			
Grey metal ...	0	5	0			
Mild post, with metal partings ...	2	0	1			
White post ...	0	2	5			
Dark leafy post ...	0	3	2			
Soft grey metal ...	2	0	4			
Post, with metal partings ...	0	4	0			
Soft blue metal ...	0	4	7			
Black stone ...	0	1	4			
Strong white post, with water ...	1	3	5			
Light grey metal ...	0	1	11			
COAL ...	0	0	9½			
				10	3	0½
Seggar ...	0	0	11			
Mild grey post, with metal partings ...	2	1	6			
Strong white post ...	0	4	7			
Strong grey metal, with post girdles ...	0	3	7			
Light grey metal ...	0	5	6			
Black stone ...	0	1	5½			
Light grey metal ...	0	5	0			
Black stone ...	1	3	0			
COAL ...	0	0	10½			
				7	2	5
Seggar ...	0	4	0			
Light grey metal ...	0	1	3			
COAL ...	0	0	4½			
				0	5	7½
Black metal ...	0	0	7			
Strong grey post ...	0	2	5			
Strong grey metal ...	1	1	2			
Black shale ...	0	0	4½			
COAL—Harvey Seam	0	1	11			
				2	0	5½
Seggar ...	0	2	11			
Light grey metal ...	1	0	11			
Black stone ...	0	0	7			
Carried forward	1	4	5	35	1	0½

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	4	5	35	1	0½	
Seggar ...	0	2	0				
Strong white post, with metal partings	0	4	0				
COAL ...	0	0	1½				
					2	4	6½
Mild grey post ...	1	3	9				
Black stone ...	0	0	4				
Strong grey metal ...	3	0	0				
Soft grey metal ...	1	0	0				
Post, with metal partings ...	1	3	0				
Very strong white post ...	2	5	0				
Strong white post, mixed with whin ...	2	2	0				
Strong white post ...	1	4	6				
Strong white post, mixed with whin ...	4	0	6				
Post, with ironstone balls ...	0	2	0				
Strong white post ...	1	4	6				
Grey metal ...	0	0	6¾				
Busty Seam—							
COAL ...	0	0¾					
Grey metal..	0	10½					
Black stone, with thin pieces of coal ...	0	8¼					
Grey metal..	0	3					
COAL ...	1	8					
				0	3	6½	
					20	5	8¼
Seggar, with ironstone balls ...	0	2	3				
Grey metal, with ironstone balls...	0	3	9				
					1	0	0

No. 1,231.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 11", Long. 1° 36' 42".

Boring in a Field, 40 yards West of Occupation Road, leading to the South from the Village of Kibblesworth, and 15 yards North of Railway. November 14th, 1842.

Approximate surface level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	3				Brought forward				28	0	10
Strong blue clay ...	3	3	0				Dark grey metal ...	1	0	3			
Sand, with water ...	2	3	0				COAL — <i>Low Main</i>						
Strong clay	2	3	2				<i>Seam</i>	0	3	9			
Grey metal stone ...	1	3	9								1	4	0
COAL	0	1	0										
				10	3	2	Black stone, mixed						
Grey metal, with grey							with <i>foul coal</i> ...	0	1	0			
post girdles	1	4	2				Grey metal stone, with						
Brown post, with soft							ironstone girdles ...	1	4	8			
scaly partings	3	0	0				COAL , foul	0	1	0			
COAL , foul... ..	0	0	10								2	0	8
				4	5	0	Grey metal	0	4	6			
Blue metal	0	4	5				Grey and white post,						
Grey and white post, {	0	3	5				with water	1	1	0			
with shivery partings {	3	1	7			*	Grey metal stone, with						
Dark grey metal stone,							post girdles	2	5	1			
with a little water	0	4	0										
Grey post, with a little							<i>Hutton Seam</i> —						
water	1	1	3				COAL						
Black stone	0	0	4				Ft. In.						
COAL , coarse	0	0	6				COAL	2	10				
				6	3	6	COAL , brassy ...	0	3				
Grey metal stone ...	0	3	0				COAL	1	0				
White post, with scaly							COAL , hard	0	2				
partings and a little							COAL	0	4				
water	4	3	4								0	4	7
Grey metal	0	2	11										
<i>Maudlin Seam</i> —											5	3	2
COAL	Ft. In.												
COAL , foul,	0	9					Grey metal				0	0	4
mixed with													
dark metal	0	1½											
COAL , strong	1	6½											
COAL , soft													
danty	0	4											
COAL , coarse	1	2											
				0	3	11							
				6	1	2							
Carried forward				28	0	10	Total				37	3	0

* Approximate sea level (Ordnance datum).

No. 1,232.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 2", Long. 1° 37' 25".

Account of Strata sunk through at Robert Pit, Kibblesworth Colliery.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	2	4	8				Brought forward	27	4	7	21	5	7
Grey metal	0	5	0				Blue metal	1	1	0			
COAL	0	1	6				COAL — <i>Maudlin</i>						
Fire clay	0	2	2				Seam	0	3	1			
Grey metal	2	2	6								29	2	8
Grey post	3	4	6				Grey metal	0	3	6			
COAL — <i>5/4 Seam</i> ...	0	3	1				<i>Low Main Seam</i> —						
				10	5	5							
Grey post	0	4	9				COAL						
Grey metal	1	5	0				Band						
Grey post	0	4	0				COAL						
Grey metal, with thin							Band						
post girdles	6	5	7				COAL						
COAL — <i>Main Coal</i>													
Seam	0	4	10										
				11	0	2					1	3	4
Grey metal	0	2	4				Black stone	0	1	0			
White post	1	2	6				Grey metal	0	3	3			
Grey metal	0	1	0				White post	0	3	10			
Grey post	1	0	7				Grey metal post, with						
	0	3	11			*	whin girdles	2	5	7			
Grey metal, with post							White post	0	1	8			
girdles	3	4	2				Grey metal, with thin						
COAL	0	0	9				post girdles	0	5	0			
Grey metal	1	2	8				<i>Hutton Seam</i> —						
White post	1	1	6				COAL						
COAL	0	0	9				COAL , foul						
Grey metal, with post													
girdles	2	5	1										
White post, with water	3	4	6										
Grey metal	0	0	7								6	1	3
White post, with water	5	2	4				Fire clay	0	2	0			
Grey metal	0	0	8				Grey post	1	2	0			
White post, with							White post	0	1	6			
scars, grey metal,											1	5	6
and water	3	4	0										
Grey metal, with post													
girdles	1	1	0										
White post	0	2	3										
Carried forward	27	4	7	21	5	7	Total				61	0	4

* Approximate sea level (Ordnance datum).

No. 1,233.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map.

Lat.

, Long.

Colour of the Stone and Metal in Killingworth Ground, at the West end of the town.
1694.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
First bored white free-						
stone post ...	4	0	0			
COAL ...	0	1	3			
				4	1	3
Black thill ...	0	2	0			
Grey metal ...	0	5	0			
COAL , foul, mixed						
with metal ...	0	1	0			
Grey thill ...	0	2	0			
Blue metal stone ...	2	0	0			
COAL ...	0	0	1			
Grey metal stone ...	1	0	0			
White post ...	4	3	0			
COAL ...	0	0	6			
				9	1	7
Grey thill ...	0	2	0			
Blue metal stone ...	0	5	0			
White post ...	2	0	0			
Whin ...	0	1	3			
Grey stone ...	2	0	0			
Blue metal ...	3	0	0			
White post ...	1	2	0			
Carried forward	9	4	3	13	2	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	4	3	13	2	10
Whin ...	0	2	6			
Soft blue stone ...	3	5	0			
Strong white post ...	0	3	0			
Black metal, mixed						
with coal ...	0	3	0			
Grey metal ...	0	3	0			
Stiff grey stone ...	1	5	0			
COAL , mixed with						
metal ...	0	2	0			
Blue metal stone ...	1	0	0			
COAL ...	0	1	0			
				18	4	9
Grey thill ...	0	2	0			
Grey post ...	0	3	0			
Stiff blue metal stone	1	3	0			
COAL ...	0	1	3			
				2	3	3
Black thill ...	0	1	0			
Blue metal stone ...	0	4	0			
				0	5	0
Total ...				35	3	10

No. 1,234.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map.

Lat.

, Long.

Bored in the Millstone Burn, on Killingworth Moor. 1695.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
First bored in free-									Brought forward						5	1	8
stone	...	...	5	0	0				White thill	...	...	0	1	0			
Blue metal	...	...	0	1	0				Grey post	...	...	1	2	7			
COAL	...	...	0	0	8												
						5	1	8									

No. 1,234.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	7	5	1	8
Blue stone, with post						
girdles ...	4	4	0			
COAL ...	0	1	0			
				6	2	7
White post ...	2	3	0			
Grey post ...	3	5	0			
Blue stone ...	0	5	0			
Grey post ...	0	5	0			
White post, with water	4	3	0			
Blue metal stone ...	0	5	0			
Carried forward	13	2	0	11	4	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	2	0	11	4	3
Green metal stone ...	0	5	0			
Grey post ...	3	3	0			
White post ...	0	5	0			
Very strong whin ...	0	3	0			
Strong white post,						
with water ...	7	2	0			
COAL ...	0	1	3			
Grey thill ...	0	3	0			
				27	0	3
Total ...				38	4	6

No. 1,235.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, near North Gosforth Moor Gate, or Ryot's Farm, to the South-east of the House. 1746.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
First from the top to the scaffold ...	1	0	4			
Boxes sunk in water	15	3	0			
Gravelly clay, mixed with sand ...	1	2	8			
Sand and gravel, or channel, with water that rose to the top	0	3	6			
Stony clay and gravel	0	3	0			
Grey and brown metal, with catheads ...	0	3	0			
COAL, soft foul ...	0	1	4			
				19	4	10
Soft grey and brown sandy metal ...	1	1	6			
Brown post, with water ...	0	3	0			
COAL ...	0	0	9			
				1	5	3
Soft grey metal ...	1	3	6			
Whin, with water ...	0	3	0			
Grey metal stone ...	1	0	0			
White and grey post, with water ...	0	4	5			
Soft grey metal ...	1	0	0			
Carried forward	4	4	11	21	4	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	11	21	4	1
COAL, soft foul ...	0	1	0			
Black and grey metal, scared with coal ...	0	1	2			
COAL ...	0	1	6			
COAL, mixed with grey metal ...	0	0	4			
				5	2	11
Grey metal, with post girdles ...	3	0	0			
Strong white post, mixed with whin ...	0	3	0			
Whin ...	0	2	2			
White post, with water	1	0	0			
Blue and grey metal...	0	1	6			
Blue and grey metal, with girdles ...	1	0	0			
COAL, foul, with water ...	0	0	9			
Black metal, with some small scares of coal ...	0	1	0			
				6	2	5
Grey metal ...	0	1	0			
White metal ...	1	3	0			
Carried forward	1	4	0	33	3	5

No. 1,235.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	0	33	3	5	Brought forward	2	3	0	39	5	5
Blue and black metal	0	3	0				Grey and white post						
Blue and black metal,							girdles, with metal						
scared with coal ...	0	1	6				partings and water	2	0	0			
Grey metal ...	1	3	0				Grey metal, with post						
Soft white and blue							girdles and water...	3	0	0			
metal, mixed with							Grey metal, with some						
green ...	2	0	0				small girdles or cat-						
Black metal ...	0	0	6				heads ..	6	0	0			
COAL ...	0	1	9				Black stone ...	0	1	0			
Black metal, with some							Strong grey post ...	0	1	0			
small scares of coal	0	0	3				Black metal, scared						
				6	2	0	with coal ...	0	1	0			
Grey metal, mixed with							Grey metal ...	0	2	0			
green, with girdles											14	2	0
or catheads ...	2	3	0										
Carried forward	2	3	0	39	5	5	Total ...				54	1	5

No. 1,236.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, to the Eastward from the Herd's House about 330 yards, on a Hill called the Short Hadery Knowe. April 29th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
First of soil and brown							Brought forward	3	4	0	10	5	0
clay ...	0	5	0				Whin, with water ...	0	1	9			
Sand, with a siping of							Grey post ...	0	1	0			
water ...	0	4	0				Soft blue and grey						
Stony clay ..	1	0	0				metal ...	4	0	0			
Sand, with a siping of							Soft black metal ...	0	0	3			
water ...	0	1	6				COAL ...	0	1	0			
Soft leafy clay ...	1	3	6								8	2	0
Stony clay ...	5	0	0										
				9	2	0	Soft white metal ...	1	0	0			
Soft grey and blue							Grey metal ...	1	2	0			
metal ...	1	1	0				Soft grey metal ...	0	3	0			
							Soft grey metal, scared						
COAL, soft... Ft. In.	0	4					with coal ...	0	1	6			
Grey metal ...	0	1									3	0	6
COAL, soft... 1 7													
	0	2	0				COAL, soft brassy ..	0	1	5			
				1	3	0	Black metal, scared						
Soft grey metal ...	1	3	0				with coal ...	0	1	0			
Grey metal, with gir-							Whitish grey metal...	0	1	2			
dles and catheads													
with water ...	2	1	0										
Carried forward	3	4	0	10	5	0	Carried forward	0	3	7	22	1	6

No. 1,236.—KILLINGWORTH.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		0	3	7	22	1	6	Brought forward		45	0	4			
COAL	Ft. In.	1	0					Grey and black metal,							
Grey metal	0 9							with some small							
COAL	1 0							coal seams or coal							
	—	0	2	9				pipes	0	2	0				
					1	0	4	Blue and grey metal							
Soft grey metal	0 1 2							stone	1	3	0				
Grey post	0 2 0							Strong white post,							
Soft grey post girdles,								with whin girdles							
with sandy partings								or lumps	4	0	0				
and water	2 0 0							Strong white post,							
Blue metal	0 4 6							with water	4	4	6				
Grey metal, with post								COAL	0	0	9				
girdles	3 0 0							Blue and black metal	0	1	0				
Strong white post,								COAL, mixed with							
with water	1 1 0							black metal	0	0	7				
Grey metal	2 3 0								10	5	10				
Black metal	0 0 3							Grey metal, with black							
COAL, with water	0 2 5							scamy partings	2	0	0				
					10	2	4	Grey post, with metal							
Grey metal, with whin								partings	0	4	6				
girdles	2 3 0							Grey metal stone	0	4	6				
Blue and black metal,								Blue and black metal,							
with catheads	1 3 0							scared with coal	0	1	0				
Blue metal, with some								Grey metal	0	1	6				
small girdles	6 0 0							Strong white post	3	1	0				
Black metal	1 0 0							Whin	0	0	4				
Whin	0 0 8							Strong white post	3	0	6				
Black metal	0 1 0							Blue scamy parting,							
COAL, hard foul,								with some scares of							
with water	0 0 6							coal or coal pipes	0	0	4				
					11	2	2	White and grey post	1	4	6				
Carried forward								Grey metal parting	0	0	6				
								Strong white post	2	0	0				
								Grey post	0	1	6				
									14	2	2				
									70	2	4				

No. 1,237.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 57", Long. 1° 33' 10".

Bored on Killingworth Moor, 250 yards North from the Gate that leads from Long Benton to Earsdon. December 15th, 1758.

Approximate surface level 130 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay,								Brought forward		3	2	0			
with water at the								Soft grey and blue							
bottom	3 2 0							metal, with girdles							
								and catheads	5	1	0				
Carried forward	3 2 0							Carried forward	8	3	0				

No. 1,237.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	3	0				Brought forward				45	3	8
Soft black stone, with							Grey metal ...	0	1	0			
water ...	0	3	9				Grey metal stone, with						
COAL ...	0	0	4				strong post girdles	2	0	0			
				9	1	1	Grey metal ...	0	3	0			
Grey metal ...	0	1	0				Black metal, scared						
Grey post ...	0	4	0				with coal ...	0	1	4			
Grey and brown post,											2	5	4
with scamy partings	3	5	0				Grey metal ...	0	1	6			
Open gullety white							Grey post ...	0	4	0			
post, with water ...	0	4	6				Black and grey metal,						
White and grey post,							mixed with coal ...	0	0	10			
with brown and red							Grey metal ...	0	0	6			
scamy partings and							Grey post ...	0	3	0			
water ...	3	5	0				Strong white post,						
Strong white post ...	2	3	11				mixed with whin ...	0	2	6			
	0	2	1			*	Grey and blue metal,						
Red and grey scamy							with post girdles						
stone ...	0	3	6				and water ...	2	1	6			
Grey metal ...	0	0	9				Black metal, mixed						
COAL ...	0	0	4				with coal ...	0	0	4			
				13	0	1	COAL ...	0	0	9			
Greenish grey metal											4	2	11
stone, with post gir-							Grey metal stone ...	0	4	8			
dles and blue metal							COAL ...	0	0	7			
partings ...	5	3	0				Grey metal, with post						
COAL , foul ...	0	0	6				girdles and water...	2	3	0			
Grey metal ...	0	0	8				Strong white post,						
Grey metal stone ...	0	2	0				with water ...	0	3	6			
Strong white post ...	0	2	0				Whin ...	0	0	8			
Grey metal stone, with							Grey scamy post ...	1	3	0			
post girdles ...	1	5	0				Blue metal, with cat-						
Blue metal stone,							heads ...	0	4	6			
scared with coal ...	0	0	6				Black metal, mixed						
COAL ...	0	0	8				with coal ...	0	0	10			
				8	2	4	COAL — $\frac{3}{4}$ Seam ...	0	1	3			
Grey metal ...	0	1	6								6	4	0
Grey and white post,							Grey and blue metal,						
with water ...	3	1	0				with post girdles						
Grey metal ...	0	1	6				or lumps ...	2	3	0			
Grey scamy post ...	1	0	0				Grey metal stone, with						
Grey metal and metal							whin girdles ...	2	2	0			
stone, with post							Blue metal, with gir-						
girdles ...	3	1	0				dles or lumps ...	1	2	0			
White and grey post	0	4	6				Black metal, with some						
Strong white post,							scares of coal ...	0	0	4			
mixed with whin ...	5	5	0				Grey metal ...	0	1	6			
Black metal, mixed							Grey and white post...	1	1	0			
with coal ...	0	0	4				Whin ...	0	3	0			
Grey metal, with scares							Strong white post,						
of coal at top ...	0	2	6				mixed with whin ...	1	2	0			
Black metal, scared							Whin and white post	4	1	0			
with coal ...	0	0	6				Whin ...	0	4	0			
COAL ...	0	0	4				Strong white post ...	0	4	6			
				15	0	2	Strong grey metal ...	0	3	0			
							Black metal, mixed						
							with coal at bottom	0	1	0			
Carried forward	45	3	8				Carried forward	15	4	4	59	3	11

* Approximate sea level (Ordnance datum).

No. 1,237.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Fs.	Ft.	Fs.	Ft.	In.
Brought forward	15	4	4	59	3	11	Brought forward	29	4	7	59	3	11
Strong grey metal ...	0	2	0				<i>High Main Seam—</i>						
Strong white post ...	0	1	0				Black metal,						
Grey metal ...	0	0	9				mixed with	Ft.	In.				
Strong white post ...	0	3	4				coal ...	0	3				
Strong white post,							COAL ...	5	8				
mixed with whin ...	2	0	0				COAL , with						
Black and blue metal	2	3	0				small scares,						
Black stone, mixed							band, or brass						
with coal ...	0	0	9				lump ...	0	11				
Black and grey metal	0	0	5				Black grey						
White post ...	0	3	0				metal ...	0	2				
Strong post, mixed							COAL , hard						
with whin ...	6	0	0				brassy ...	1	0				
Strong white and grey							Hard brassy						
post, with a mixture							girdle or lump,						
of whin girdles and							with coal ...	0	4				
coal pipy partings	1	4	0						1	2	4		
											31	0	11
							In grey metal				0	1	6
Carried forward	29	4	7	59	3	11	Total				91	0	4

No. 1,238.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 1' 12", Long. 1° 31' 38".

Bored on Killingworth Moor, 240 yards South-west from Scaffold Hill, known by the name of Scaffold Hill Hole. 1760.

Approximate surface level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	1	3	0				Brought forward				16	2	7
Sand channel ...	0	2	0				Grey metal and metal						
Stony clay ...	2	3	0				stone, with girdles	5	1	2			
Blue grey metal ...	0	3	0				Black and grey metal,						
Strong red and brown-							with a small mix-						
ish metal ...	0	2	6				ture of coal ...	0	1	6			
Grey post, with red							COAL , with water...	0	0	9			
and brown scamy											5	3	5
partings and water	3	0	0				Grey metal stone gir-						
White and brown post,							dles and water ...	5	0	0			
with brown cashy							Blue and black metal,						
partings and water							with lumps ...	1	0	0			
that rose to the sur-							Grey metal stone, with						
face ...	7	5	6				post girdles ...	3	4	0			
Coal pipy post ...	0	0	6				White post, mixed						
Grey post ...	0	0	9				with whin ...	0	2	0			
COAL ...	0	0	4				Open post, with water	1	2	0			
				16	2	7							
Carried forward				16	2	7	Carried forward	11	2	0	22	0	0

No. 1,238.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	2	0	22	0	0
Black metal, with water ...	0	0	6			
Greenish grey metal stone, with post girdles ...	5	3	0			
White post, with water ...	0	5	9			
Whin ...	0	3	6			
Strong white post, mixed with whin ...	0	1	6			
Whin ...	0	1	6			
Grey post, with black scames near the bot- tom ...	0	4	3			
	1	0	3			*
COAL ...	0	0	10			
Grey metal ...	1	1	9			
COAL ...	0	0	8			
				22	1	6
Grey metal ...	1	1	9			
COAL, foul ...	0	0	3			
COAL ...	0	0	5			
				1	2	5
Grey metal stone ...	0	5	0			
White post, with water	0	3	0			
Grey metal stone, with girdles or lumps ...	3	4	0			
White post, with gir- dles and water ...	1	0	0			
Whin ...	0	0	10			
White and grey post	1	0	0			
Black grey metal ...	0	4	0			
Three-Quarter Seam—						
COAL ...	Ft.	In.				
	0	7				
White and black me- tal ...	1	7				
COAL ...	0	9				
				0	2	11
				8	1	9
Soft white and grey post ...	0	1	6			
Grey metal and grey stone, with post gir- dles ...	2	5	0			
A black metal parting	0	0	4			
Grey metal, with gir- dles or lumps ...	3	1	0			
White and grey post, with water ...	5	1	0			
Grey metal stone gir- dles or lumps ...	1	3	0			
Blue and black metal	1	0	0			
White post ...	1	5	0			
Blue metal ...	2	4	0			
Carried forward	18	2	10	53	5	8

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	2	10	53	5	8
COAL ...	0	0	3			
COAL, foul...	0	0	2			
				18	3	3
Grey metal ...	0	3	0			
Grey metal stone ...	0	1	0			
Grey and white post, with a mixture of whin girdles and water in some places	4	5	0			
Black grey scamy metal ...	0	0	4			
Strong white post ...	3	0	0			
A black grey scamy parting ...	0	0	4			
White post ...	0	2	0			
Grey scamy stone, with post girdles and black scames ...	0	5	0			
Black grey metal, scared with coal ...	0	1	2			
Blue grey metal ...	0	3	0			
A whin mixture ...	0	0	9			
				10	3	7
Blue grey metal, scared with coal at the bottom ...	0	3	0			
Grey metal stone ...	0	0	9			
High Main Seam—						
COAL ...	Ft.	In.				
	4	9				
COAL, with scares of brass and a small danty scame at the bottom ...	0	8				
COAL ...	1	0				
Grey metal ...	0	3				
COAL, mixed with grey metal ...	0	2				
COAL, with a brassy lump or band at the bottom	1	2				
				1	2	0
				1	5	9
In blue metal, with small scares of coal (June 14th, 1760; rods measured to 85½ fathoms) ...						

* Approximate sea level (Ordnance datum).

No. 1,239.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 1' 31", Long. 1° 32' 4".

Bored on Killingworth Moor 300 yards South from the first Holystone Hole, known as the second Holystone Hole. 1760.

Approximate surface level 236 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil ...	0	0	4				Brought forward	14	4	3	14	4	9
Stony clay ...	1	2	6				Black metal ...	0	1	0			
Sand and channel, with water ...	0	2	8				Grey and white post, with whin girdles or lumps ...	2	1	0			
Soft blue and brown ramble ...	0	0	6				Blue metal, with whin girdles or lumps ...	1	2	0			
White post, with water	2	5	3				Black metal ...	1	4	0			
COAL, foul...	0	0	9				COAL ...	0	0	10			
Grey metal ...	0	0	9								20	1	1
Greenish grey metal girdles or lumps ..	3	0	9				Black metal, scared with coal ...	0	0	4			
Blue metal ...	0	1	0				Blue and grey metal girdles or lumps ...	0	5	0			
COAL, mixed with black metal ...	0	0	6	8	3	0	Grey and white post...	1	0	0			
Black grey metal ...	0	1	0				Grey and white post, with a mixture of whin girdles, part- ings and water ...	1	0	0			
Grey metal ...	2	2	0				Grey and white post {	1	2	10			
White post ...	1	0	0				partings and water {	4	5	2			*
Strong post, mixed with whin...	0	1	6				Upper or Noble Main						
A grey cashy parting	0	0	6				Coal—	Ft.	In.				
White and grey post..	1	2	0				COAL ...	5	0				
Blue grey post ...	0	3	6				COAL, but						
COAL ...	0	0	7				rather foul	1	0				
Black grey metal ...	0	1	9				Grey metal..	0	4				
COAL,hard foulslaty	0	0	11	6	1	9	COAL, foul	0	4				
Grey metal and metal stone girdles or cat- heads, with some black metal partings	6	0	9				COAL ...	0	8				
Thready whin ...	0	0	6				COAL, foul	0	4				
Quality post, with water ...	1	0	0				Black metal, mixed with coal ...	0	4				
White and grey post, with a mixture of whin girdles or lumps and water ...	6	1	6				COAL, foul	1	2		1	3	2
Grey metal stone, with post girdles ...	0	3	0										
Grey and blue metal...	0	4	6								10	4	6
Carried forward	14	4	3	14	4	9	In grey metal (June 7th,1760; measured the rods to 46 fms. 1 ft. 3 in.)...						0 0 8
							Total ...				45	5	0

* Approximate sea level (Ordnance datum).

No. 1,240.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 47", Long. 1° 34' 3".

Bored in the North-east corner of Mr. Pugh's Ground, to the South-west of Killingworth Hill Head. March 3rd, 1800.

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	5	2	10	23	1	10
Stony clay ...	1	0	6				Whin ...	0	0	9			
				1	1	6	Strong white post, with partings and water	2	0	0			
Brown post, with scamy partings and water ...	3	1	6				Blue metal ...	0	3	7			
Blue grey metal ...	0	2	0				COAL ...	0	2	1			
White post ...	0	1	0								8	3	3
Grey metal stone ...	1	0	6				White metal ...	0	1	0			
Black grey metal ...	0	2	6				Grey metal, with girdles ...	1	1	11			
Strong white post ...	0	1	0					0	0	1			*
Grey metal stone, with post girdles ...	1	1	6				Strong white post, mixed with whin ...	0	1	0			
Grey scamy post, with water ...	2	0	0				Whin ...	0	3	0			
Strong white post ...	0	1	6				Strong white post, mixed with whin ...	0	2	0			
Grey scamy post ...	0	2	0				White post ...	0	4	6			
Blue grey metal ...	2	5	8				Grey and blue metal, with girdles ...	3	1	6			
COAL, foul danty ...	0	0	4				Black slaty metal ...	0	1	3			
				12	1	6	Grey and blue metal	0	1	4			
Grey metal ...	1	1	6				Black metal, mixed with coal or foul coal	0	0	7			
COAL, foul ...	0	0	4								7	0	2
Grey metal ...	0	2	6				Grey metal, with girdles ...	2	3	0			
White and grey post, with water † ...	1	4	8				White post ...	3	0	9			
Soft blue grey metal	0	2	9				Grey metal ...	0	2	0			
COAL, mixed with black metal ..	0	0	9				Black metal ...	0	0	7			
				4	0	6	Strong white post ...	0	3	6			
Grey metal and post girdles ...	2	4	0				Grey metal and metal stone ...	2	4	6			
White post ...	0	4	6				Blue and black metal, with a mixture of coal at the bottom	0	3	0			
Grey and blue metal, with girdles ...	2	0	0				Grey metal stone ...	0	1	0			
COAL ...	0	1	5				White post ...	0	2	0			
Hard lump or girdle ...	0	0	2				Grey metal stone, with girdles ...	0	4	6			
Black slate, mixed with coal ...	0	0	3				Blue and black metal	2	3	0			
				5	4	4	COAL ...	0	0	4			
Grey metal ...	1	0	6								13	4	2
Blue and black metal	0	1	4				Grey metal, with girdles ...	2	1	6			
Grey and blue metal ...	1	0	0				Grey scamy post, with partings ...	0	3	0			
Grey girdly stone, with metal partings and water ...	2	4	0										
White post, with water	0	3	0				Carried forward	2	4	6	52	3	5
Carried forward	5	2	10	23	1	10							

† This post at the surface in Seghill Towngate.
* Approximate sea level (Ordnance datum).

No. 1,241.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	4	6	28	2	8
Grey thill ...	0	0	8			
COAL, slaty ...	0	2	0			
				3	1	2
Grey post, with {	1	4	2			
whin ... {	0	3	4			*
Grey metal and strong						
girdle ...	1	3	0			
COAL ...	0	0	6			
Blue metal ...	0	1	2			
COAL ...	0	0	4			
Grey post, with metal						
girdles ...	3	1	8			
COAL ...	0	2				
Thill ...	0	4				
Band ...	0	4				
				0	0	10
Grey and blue metal,						
with post girdles ...	3	3	0			
COAL ...	0	2	6			
				11	2	6
Thill ...	0	0	6			
Grey metal, with post						
girdles ...	2	0	0			
Soft blue metal ...	6	0	5			
White post ...	7	0	0			
Blue and grey metal...	0	4	0			
Grey post ...	4	2	4			
Black metal ...	0	4	0			
COAL ...	0	0	8			
Grey thill and whin						
girdles ...	1	0	0			
Soft blue metal ...	1	0	0			
Black metal ...	0	3	0			
COAL ...	0	0	3			
				23	3	2
Grey metal ...	0	4	0			
White post and whin						
girdles ...	2	3	0			
Grey metal and girdles	0	2	0			
Black metal, mixed						
with coal ...	0	5	0			
Soft grey metal ...	0	3	0			
Grey metal ...	1	3	0			
COAL ...	0	1	6			
				6	3	6
Grey and blue metal	0	1	0			
White post ...	1	2	0			
Blue metal ...	0	1	0			
COAL ...	0	1	10			
Grey metal and post						
girdles ...	2	2	0			
COAL ...	0	1	0			
				4	2	10
Carried forward	77	3	10			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				77	3	10
Grey metal ...	0	2	0			
Grey post ...	1	0	0			
Grey and blue metal	0	4	0			
White post ...	0	3	0			
Grey and blue metal,						
with whin girdles...	1	1	6			
Black stone ...	1	0	0			
COAL ...	0	2	6			
				5	1	0
White post ...	1	0	0			
Grey metal and post						
girdles ...	0	5	0			
Whin and white post	1	2	6			
Blue metal and post						
girdles ...	2	4	6			
Blue metal ...	0	3	0			
Blue metal ...	0	2	0			
Black metal ...	0	0	9			
COAL ...	0	0	9			
				7	0	6
Grey thill ...	0	4	0			
Blue metal ...	0	4	0			
White post ...	3	2	0			
Black metal ...	0	0	6			
COAL ...	0	0	7			
				4	5	1
Grey metal ...	0	0	10			
Grey post ...	2	4	6			
Grey metal ...	0	4	0			
Black metal ...	0	1	8			
Grey and white post						
and metal partings	1	0	0			
Grey and blue metal	0	5	0			
Black metal ...	1	4	6			
COAL ...	0	1	0			
				7	3	6
Grey metal ...	0	5	7			
White post and metal						
partings ...	8	4	6			
High Main Seam—						
COAL, top	0	4				
COAL, clean	6	1½				
COAL, bot-						
tom ...	0	8				
Thill ...	1	0				
COAL ...	3	0				
				1	5	1½
				11	3	2½
Grey metal stone	1	2	5			
Black stone ...	2	4	7			
Whin ...	0	0	9			
Black stone ...	0	3	6			
Post ...	0	2	10			
Blue metal ...	0	2	2			
Carried forward	5	4	3	113	5	1½

* Approximate sea level (Ordnance datum).

No. 1,241.—KILLINGWORTH.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward			5	4	3	11	3	5	1½				Brought forward			164	0	11½
Metal Coal Seam—																		
		Ft.	In.															
COAL	...	0	4															
Thill	...	1	8															
COAL	...	2	5															
			—	0	4	5												
									6	2	8							
Thill	...	...	0	3	0													
Grey metal	...	...	3	2	6													
COAL—Stone	Coal																	
Seam	...	...	0	1	6													
									4	1	0							
Thill	...	...	0	1	6													
Post, mixed with whin	...	...	1	5	6													
Black stone	...	...	1	5	0													
Black stone and whin	...	...	3	5	6													
girdles	...	...	1	2	0													
Black stone	...	...	0	0	8													
COAL	...	...	0	1	5													
Thill	...	...	0	0	4													
COAL	...	...	0	1	8													
Thill	...	...	2	0	4													
Black stone	...	...	1	4	8													
Blue stone	...	...	1	3	8													
Whin girdles	...	...	0	3	7													
Black stone	...	...	0	3	6													
COAL—Yard	Coal																	
Seam	...	...	0	3	6													
									16	3	4							
Thill	...	...	0	1	11													
Post	...	...	0	4	4													
Black stone	...	...	1	1	5													
COAL	...	...	0	1	0													
									2	2	8							
Black stone	...	...	0	4	0													
COAL	...	...	0	3	6													
									1	1	6							
Black stone	...	...	2	5	2													
Blue stone	...	...	4	2	8													
Black stone	...	...	0	0	6													
Bensham Seam—																		
		Ft.	In.															
COAL	...	3	0															
Band	...	0	4															
COAL	...	2	0															
			—	0	5	4												
									8	1	8							
Thill	...	...	0	4	2													
Black stone	...	...	0	2	2													
COAL	...	...	0	0	4													
Blue stone	...	...	1	2	2													
Whin	...	...	0	2	0													
Post	...	...	4	5	2													
COAL	...	...	0	0	4													
Grey girdles	...	...	1	0	6													
Black stone	...	...	1	2	6													
Blue stone	...	...	0	2	10													
COAL—Low	Main																	
Seam	...	...	0	2	10													
									11	1	0							
Carried forward																		
164 0 11½																		

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			0	1	4							Brought forward			164	0	11½
Thill	...	...	0	1	4												
Blue stone	...	...	1	1	0												
Post girdles	...	...	2	0	0												
Post	...	...	2	4	3												
Black stone	...	...	0	1	4												
Post	...	...	0	2	0												
Black stone	...	...	1	4	8												
Post	...	...	1	3	0												
									9	5	7						
Sunk																	
Boring made from the																	
Stone Drift level,																	
close to the bottom																	
of A Pit, March																	
10th, 1866—																	
White and grey post...	...	...	5	4	0												
Whin	...	...	0	5	7												
Post	...	...	1	2	6												
Whin	...	...	0	2	0												
Post	...	...	1	2	1												
Grey metal	...	...	0	4	9												
Post	...	...	0	3	0												
Whin	...	...	1	0	1												
Post	...	...	0	2	9												
Whin	...	...	0	1	0												
Post	...	...	0	1	1												
Grey metal	...	...	0	4	4												
Post	...	...	9	5	0												
Grey metal	...	...	0	1	2												
Post	...	...	0	2	4												
Grey metal	...	...	0	4	10												
Post	...	...	0	1	4												
Grey metal	...	...	0	3	10												
Post	...	...	0	4	7												
Whin	...	...	0	1	9												
Post	...	...	1	5	0												
Whin	...	...	0	1	0												
Post	...	...	2	3	4												
Whin	...	...	0	1	2												
Post	...	...	1	1	6												
Whin	...	...	0	2	6												
Post	...	...	0	1	9												
Grey metal	...	...	2	2	0												
Harvey Seam—																	
COAL, good,																	
makes a good																	
cinder (got																	
July 14th, Ft. In.																	
1866) ... 3 2																	
COAL, coarse 0 5																	

No. 1,242.—KIP HILL.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored at Kip Hill, in Mr. Davison's Ground. June 21st, 1727.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown girdle							Brought forward	5	1	6	9	1	10
stone ...	0	5	0				Blue metal, etc. ...	0	0	9			
Strong stone, with							COAL , foul— <i>Brass</i>						
whin ...	0	2	4				<i>Thill Seam</i> ...	0	3	9			
Grey post, etc. ...	3	0	0								6	0	0
White post, etc., with							Metal, mixed with <i>coal</i>	4	0	0			
water near the bot-							Metal and stone, and						
tom ...	3	5	0				water ...	1	3	0			
COAL , with water...	1	1	6				Metal ...	0	3	0			
				9	1	10	Metal, with <i>coal</i> ...	0	5	3			
Grey metal ...	2	0	0				Metal ...	0	0	5			
Whin mixture (the							Metal ...	0	1	0			
water went away)...	0	1	6				Metal, with water ...	0	2	0			
Whin ...	2	0	0				COAL — <i>Hutton Seam</i>	3	0	0			
White post ...	1	0	0								10	2	8
							Grey metal ...				4	0	0
Carried forward	5	1	6	9	1	10	Total ...				29	4	6

No. 1,243.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 5' 49", Long. 1° 56' 15".

First place bored at Kirkheaton Estate, about 50 yards to the West of Bog Hall. 1763.

Approximate surface level 595 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and yellow clay...	0	5	0				Brought forward	5	4	2	4	2	0
Gravel and sand, with													
water ...	0	3	6				COAL , foul... Ft. In.						
Blue stony clay ...	2	5	0				COAL , foul,	0	3				
Grey metal, with scares							scared with						
of <i>coal</i> ...	0	0	6				grey metal...	0	11				
				4	2	0	Black grey						
Grey metal stone ...	0	5	6				metal, mixed						
Brown and grey scamy							with <i>coal</i> ...	0	5				
post ...	3	5	0				COAL , with						
Grey post. with metal							scares ...	0	3				
partings ...	0	4	0				Black grey						
Blue grey metal ...	0	1	8				metal, scared						
							with <i>coal</i> ...	0	2				
							COAL ...	2	0				
										0	4	0	
											6	2	2
Carried forward	5	4	2	4	2	0	Carried forward				10	4	2

No. 1,243.—KIRKHEATON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
				10	4	2		1	0	2	10	4	2
Soft grey scamy stone	0	1	2				Grey post	0	2	0			
Grey post, with water	0	2	0				Whin	0	0	7			
Strong white post, mixed with whin and water	0	2	0				In grey post girdles, with metal partings	0	3	8			
Whin or strong lime-stone	0	1	0								2	0	5
Carried forward	1	0	2	10	4	2	Total				*12	4	7

* Approximate sea level 518½ feet below this.

No. 1,244.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet of 78 Ordnance Map. Lat. , Long.

Second place, near Blyth Windmill, at Kirkheaton Estate.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay	Fs.	Ft.	In.	Fs.	Ft.	In.
	0	4	6			
Sand and gravel, with water	0	3	6			
In strong stony clay, with whin tumblers...	4	5	0			
				6	1	0
Total	6	1	0			

No. 1,245.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. , Long.

Third place, about 30 yards from the second.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay	Fs.	Ft.	In.	Fs.	Ft.	In.
	0	3	0			
In strong stony clay, with whin tumblers...	6	1	6			
				6	4	6
Total	6	4	6			

No. 1,246.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map.

Lat.

, Long.

Fourth place, about yards South from the third.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown stony clay	...	...	...	...	1	0	0			
In blue stony clay	...	...	...	...	12	0	0			
								13	0	0
Total	...	...	...	...				13	0	0

No. 1,247.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map.

Lat. 55° 6' 8" , Long. 1° 56' 42".

Fifth place, at Blythside, about 100 yards East from the Ford.

Approximate surface level 560 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	0	4	3				Brought forward	4	2	0	5	1	10
Sand and gravel, with water	...	...	0 0 9				Grey metal stone	...	0	5	0		
Stony clay	...	...	3 2 3				White and grey post, with strong girdles, scamy partings, and water	...	3	1	0		
Brown post stone	...	...	0 1 4				Black grey metal stone	...	1	5	8		
Stony clay	...	...	0 4 0				In strong white and grey post	...	0	2	6		
Whin tumbler	...	...	0 1 0								10	4	2
Stony clay	...	...	0 0 3										
				5	1	10							
Grey metal stone	...	...	0 4 0										
Brown and grey post, with metal partings and water	...	...	3 4 0										
Carried forward	4	2	0	5	1	10	Total	...			*16	0	0

* Approximate sea level 464 feet below this.

No. 1,248.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 5' 55", Long. 1° 56' 2".

Sixth place, about 350 yards to the North-east from Bog Hall.

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Stony clay	1	0	9			
Sand and gravel, with water	0	2	0			
In strong stony clay, with whin tumblers ...	10	2	3			
				12	0	0
Total				*12	0	0

* Approximate sea level 508 feet below this.

No. 1,249.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. , Long.

Account of the Strata sunk through at Kirkheaton Colliery, Northumberland.

Approximate surface level 60 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	0	5	0				Brought forward	0	5	0	8	0	1
Soil and clay	1	1	0				Very strong white post,						
Blue metal	1	0	1				with pebbles ...	4	3	7			
Limestone, with part-							Stone and coal ...	0	1	4			
ings and water ...	3	4	0										
Dark metal stone ...	1	1	0				COAL, kiln... Ft. In.	0	10				
COAL, splint at top	0	1	0				COAL, fine... Ft. In.	1	8				
				8	0	1							
Dark thill stone ...	0	5	0					0	2	6			
											6	0	5
Carried forward	0	5	0	8	0	1	Total				14	0	6

No. 1,250.—KIRKWHELPINGTON.

TOWNSHIP OF KIRKWHELPINGTON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 9' 9", Long. 2° 0' 26".

Bored at Kirkwhelpington Lead Mine, from the bottom of the present Pit.
May 19th, 1829.

Approximate surface level 560 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	2	1	0				Brought forward	3	1	9	19	3	0
Brown post ...	2	1	0				Black post, with water	0	4	2			
Whin and water ...	4	3	0				Grey post ...	0	2	6			
Blue metal, with water	7	0	6				White post ...	2	0	8			
Blue limestone, with							Dark grey post, with						
water ...	2	0	0				water at bottom ...	1	0	6			
White whin, with							White post ...	0	4	11			
water ...	0	2	0				Grey post ...	1	0	8			
Black whin ...	0	1	0				Blue metal ...	0	3	1			
White post ...	0	2	0				White post ...	0	2	0			
Grey post ...	0	4	6				Blue metal ...	0	1	0			
Depth of shaft to							Grey post ...	1	0	2			
Stone Drift ...				19	3	0	Whin ...	0	2	4			
Blue metal ...	0	2	0				Grey post ...	0	0	6			
Strong grey metal,							Blue metal ...	0	0	7			
with post girdles							Grey post ...	0	1	0			
and a little water...	1	2	6				In blue metal, with						
Blue metal, with post							grey post girdles						
girdles and water...	1	0	4½				and water ...	2	0	0			
COAL ...	0	0	7								14	1	10
Thill ...	0	2	3½										
Carried forward	3	1	9	19	3	0	Total ...				*33	4	10

* Approximate sea level 357 feet below this.

No. 1,251.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Boring on the South Side of Knitsley Bottoms. 1828.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal, with water							Brought forward	3	3	2			
and post girdles ...	1	2	4				Strong white post,						
Blue metal stone ...	1	1	5				with coal pipes and						
Grey post, with whin							water ...	1	0	11			
girdles ...	0	5	5				Grey metal stone ...	0	5	4			
Carried forward	3	3	2				Carried forward	5	3	5			

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No. 1,251.—KNITSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	5				Brought forward	4	1	4	13	3	10
Strong grey post, with partings and water	1	4	9				Soft blue metal ...	0	3	3			
Dark blue metal stone	2	3	2				Grey metal, with post girdles ...	1	0	10			
Grey metal stone, with post girdles ...	0	3	3				Mild white post, a whin girdle 2½ inches in entering and water ...	0	5	9			
Fire clay ...	0	3	6				Dark grey post girdles, with soft partings and water ...	0	4	3			
Light blue metal ...	0	1	8				Blue metal stone, with dark grey post scares ...	1	5	4			
COAL ...	0	0	7	11	2	4	Dark grey whin, with water ...	0	0	8			
Grey whin ...	0	2	3				White post girdles, with soft partings and catheads ...	2	1	5			
Grey metal stone, with white post girdles..	0	3	10				Fine blue metal stone	0	2	0			
Blue grey metal stone	1	1	0				Strong white whin, with water ...	0	0	10½	12	1	8½
Black stone, with coal	0	0	5	2	1	6							
Grey metal stone, with white post girdles...	0	3	3										
Mild white post ...	0	3	0										
Fine grey metal stone	0	1	0										
Mild white post ...	0	3	0										
Grey post, with whin and partings ...	2	0	7										
Grey post girdles, with water and soft partings ...	0	2	6										
Carried forward	4	1	4	13	3	10	Total ...				25	5	6½

No. 1,252.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49' 29", Long. 1° 50' 20".

Account of the Boring at Knitsley High House, at the front of the Garden. By Thomas Maddison. May 13th, 1829.

Approximate surface level 768 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	3	6				Brought forward				5	4	9
Dark blue grey metal stone, with water...	3	5	0				Blue thill ...	0	0	8			
Black coal and stone	0	2	5				COAL ...	0	4½				
Grey thill ...	0	5	0				Black and blue thill ...	0	7				
Grey metal stone ...	0	0	5				COAL ...	0	5				
COAL ...	0	0	5	5	4	9					0	1	4½
Carried forward				5	4	9					0	2	0½
							Carried forward				6	0	9½

No. 1252.—KNITSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				6	0	9½	Brought forward	5	1	1	6	0	9½
Grey thill ...	0	1	7				Blue grey metal stone,						
Grey metal stone ...	1	1	4				rough grate ...	0	0	6			
Blue grey metal stone	0	3	7				White and yellow post,						
Black and blue metal,							very fine ...	4	0	0			
with coal ...	0	0	4								9	1	7
White and yellow													
post, with dark													
scars ...	3	0	3										
Carried forward	5	1	1	6	0	9½	Total ...				*15	2	4½

* Approximate sea level 675½ feet below this.

No. 1,253.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49' 31", Long. 1° 50' 16".

Third hole bored on the East Side of the High House Farm at Knitsley.
June 30th, 1829.

Approximate surface level 754 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown slaty freestone	0	3	4				Brought forward				4	4	4
Dark grey slaty free-							Grey metal stone, with						
stone, with water...	1	4	4				hard girdles ...	1	0	0			
Blue grey metal stone	0	3	2				Blue grey metal ...	1	3	0			
Black stone, with hard							Dark grey post gir-						
girdles ...	0	1	6				dles, with water ...	1	5	6			
COAL ...	0	0	2				Ash coloured free-						
				3	0	6	stone, with metal						
Grey thill ...	0	2	6				partings ...	2	0	2			
Grey metal stone ...	0	3	4				Scamy white post,						
Light blue metal stone	0	3	6				mixed with whin ...	0	4	10			
COAL ...	0	0	6				Dark grey post girdle	0	0	8			
				1	3	10	Dull white coloured						
							freestone ...	2	5	8			
Carried forward				4	4	4					10	1	10
							Total ...				*15	0	2

* Approximate sea level 664 feet below this.

No. 1,254.—KYO.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of the Strata bored through in Kyo Heugh, Lanchester Common, from the Shield Row Seam, in Francis Robinson's Landsale Pit; bored at the expense of Geo. Silvertop, Esq.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
COAL, foul...	1	0						Brought forward	7	2	5	6	0	11
Thill ...	0	6						Soft grey metal ...	1	1	3			
COAL, coarse,								COAL—Hard Coal						
and slate ...	2	0						Seam ...	0	4	5			
	—	0	3	6								9	2	1
					0	3	6	Soft thill ...	0	2	6			
Thill and blue stone...	2	0	0					COAL ...	0	0	1			
Whin ...	0	0	10					Brassy thill (close) ...	0	4	6			
Grey stone ...	0	3	0					COAL, foul...	0	0	5			
Green post ...	0	1	4									1	1	6
Grey post ...	2	0	6					Thill ...	0	2	6			
COAL, foul...	0	0	3					Grey thill ...	0	3	1			
Thill ...	0	3	4					Green post ...	0	4	6			
COAL, slaty ...	0	0	2					Blue metal stone ...	0	1	8			
				5	3	5		Green post ...	1	0	0			
Brassy thill stone ...	0	1	8					Whin ...	0	0	10			
Green post ...	3	3	0					Grey stone ...	1	1	6			
Grey stone and strong								Blue stone ...	0	1	0			
green girdles ...	2	4	6					COAL—Brass Thill						
Soft thill stone ...	0	5	3					Seam ...	0	4	9			
												5	1	10
Carried forward	7	2	5	6	0	11		Total ...				22	0	4

NOTE.—The fine coal at top only wrought in Shield Row Seam; no ground coal taken up.

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N.B.—Names of Coal Seams and other beds are in *italic*. The same name often applies, according to locality, to more than one Seam.

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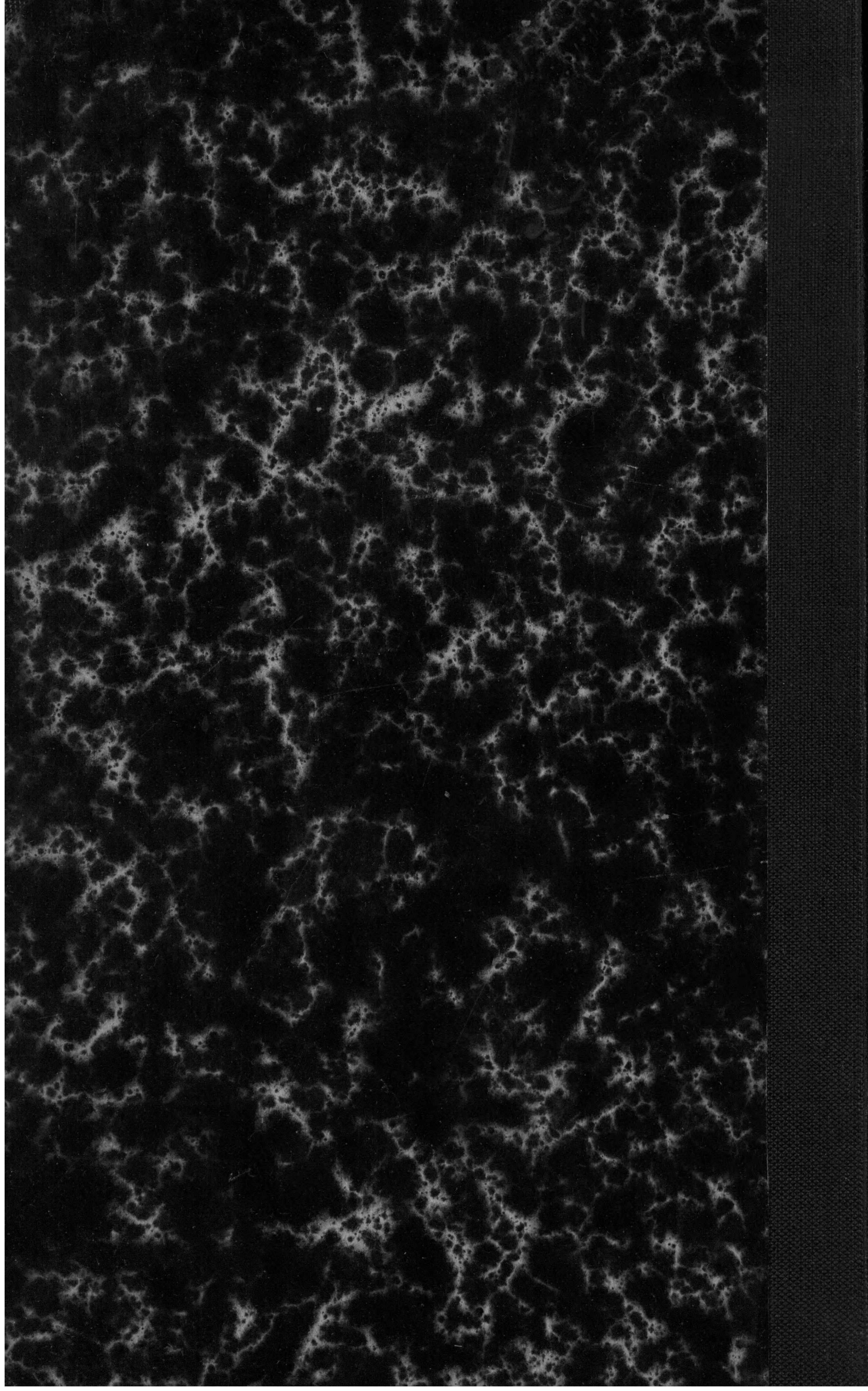
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